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MONTHLY LIST OF PUBLICATIONS 1938

JANUARY 1938

Any five of the nontechnical publications listed herein, unless indicated "For sale only", may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

- The border method of irrigation. Samuel Fortier, Bureau of Agricultural Engineering. 22 p., illus. (F. B. 1243F., rev.) Price, 5¢.
- Safe use and storage of gasoline and kerosene on the farm. Bureaus of Chemistry and Soils, Agricultural Engineering, and Agricultural Economics, in cooperation with the National Fire Protection Association. 14 p., illus. (F. B. 1678F., rev.) Price, 5¢.
- Beef-cattle breeds for beef and for beef and milk. W. H. Black, Bureau of Animal Industry. 21 p., illus. (F. B. 1779F.) Price, 5¢.
- Indicators of southwestern range conditions. M. W. Talbot, Forest Service. 35 p., illus. (F. B. 1782F.) Price, 10¢.
- Blue mold (downy mildew) disease of tobacco. E. E. Clayton and J. G. Gaines, Bureau of Plant Industry. 16 p., illus. (F. B. 1799F.) Price, 5¢.

TECHNICAL BULLETINS

- Chemical and physical studies of certain Hawaiian soil profiles. George J. Hough and Horace G. Byers, Bureau of Chemistry and Soils. 27 p., illus. (T. B. 584T.) Price, 10¢.
- Effect of fertilizers on composition of soybean hay and seed and of crop management on carbon, nitrogen, and reaction of Norfolk sand. J. E. Adams, H. M. Boggs, and E. M. Roller, Bureau of Plant Industry; in cooperation with the South Carolina Agricultural Experiment Station. 35 p., illus. (T. B. 586T.) Price, 10¢.
- Consumption and production of tobacco in Europe. J. B. Hutson. 115 p., illus. (T. B. 587T.) Price, 15¢.
- Certain chemical and physical changes produced in Kieffer pears during ripening and storage. J. M. Lutz and C. W. Culpepper, Bureau of Plant Industry. 38 p., illus. (T. B. 590T.) Price, 10¢.
- Factors affecting the rate of drying of Kieffer pears. C. W. Culpepper and H. H. Moon, Bureau of Plant Industry. 31 p., illus. (T. B. 592T.) Price, 5¢.
- Lag-screw joints: Their behavior and design. J. A. Newlin and J. M. Gahagan, Forest Service. 27 p., illus. (T. B. 597T.) Price, 10¢.

CIRCULARS

- Industrial fumigation against insects. E. A. Back and R. T. Cotton, Bureau of Entomology and Plant Quarantine. 60 p., illus. (Cir. 369C., rev.) Price, 10¢.
- Poultry management in subtropical, semiarid climates. Burt W. Heywang, Bureau of Animal Industry. 20 p., illus. (Cir. 446C.) Price, 5¢.
- An economic study of cattle business on a southwestern semidesert range. Matt J. Culley, Forest Service. 24 p., illus. (Cir. 448C.) Price, 5¢.
- Influence of climatological factors in the development of cercospora foot rot of winter wheat. Roderick Sprague, Bureau of Plant Industry; in cooperation with Oregon, Washington, and Idaho Agricultural Experiment Stations. 40 p., illus. (Cir. 451C.) Price, 10¢.

Preparation of pathological specimens from animal tissues and their mounting under watch glasses. John E. Bengston, Bureau of Animal Industry. 14 p., illus. (Cir. 454C.) Price, 5¢.

Silver fox pelt prices as affected by time of pelting, sex, and age. Chas. E. Kellogg, Bureau of Biological Survey. 28 p., illus. (Cir. 460C.) Price, 10¢.

Two new varieties of sugarcane for sirup production. B. A. Belcher and S. F. Sherwood, Bureau of Plant Industry. 4 p. (Cir. 461C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

Advantages of standards for livestock and meats. C. E. Gibbons, Bureau of Agricultural Economics. 8 p., illus. (M. P. 33M., rev.) Price, 5¢.

Careers in forestry. Forest Service. 16 p. (M. P. 249M.) Price, 5¢.

A graphic summary of farm labor and population. (Based largely on the census of 1930 and 1935.) J. C. Folsom and O. E. Baker, Bureau of Agricultural Economics. 48 p., illus. (M. P. 265M.) Price, 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

To prevent the spread of splenetic or tick fever in cattle. Rule 1, revision 36. Effective on and after December 1, 1937. Bureau of Animal Industry. 2 p. (B. A. I. Order 363.)¹

Bureau of Animal Industry. Service and regulatory announcements. November 1937. Pp. 123-135. (S. R. A.-B. A. I. 367.) Price, 5¢ each.²

Laws and regulations for the administration of national wildlife refuges. Bureau of Biological Survey. Service and regulatory announcements. 10 p. (S. R. A.-B. S. 90.)¹

Modification of Dutch elm disease quarantine regulations. Revision of regulation 3. Effective November 9, 1937. Bureau of Entomology and Plant Quarantine. 2 p. (B. E. P. Q.-Q. 71.)¹

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 199-247. (N. J., F. D. 27401-27525). Foods.¹

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 249-283. (N. J., F. D. 27526-27575). Drugs.¹

OTHER PUBLICATIONS

Better land use. A program of action. Bureau of Agricultural Economics. [4 p.], illus. Folder.¹

Cook pork and its products thoroughly. Bureau of Animal Industry. Series A. I. 39. [4 p.], illus.¹

Farm tenant loans. Farm Security Administration. [6 p.], illus. Folder.¹

Report of the Administrator of the Resettlement Administration, 1937. Will W. Alexander. 19 p. Price, 5¢.

Report of the Chief of the Bureau of Agricultural Economics, 1937. A. G. Black. 21 p. Price, 5¢.

Report of the Chief of the Bureau of Biological Survey, 1937. Ira N. Gabrielson. 63 p. Price, 10¢.

Report of the Chief of the Bureau of Chemistry and Soils, 1937. Henry G. Knight. 54 p. Price, 10¢.

Report of the Chief of the Bureau of Entomology and Plant Quarantine, 1937. Lee A. Strong. 98 p. Price, 15¢.

Report of the Chief of the Bureau of Plant Industry, 1937. Frederick D. Richey. 34 p. Price, 10¢.

Report of the Chief of the Soil Conservation Service, 1937. H. H. Bennett. 51 p. Price, 10¢.

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers **IN NUMERICAL ORDER**, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other Publications

AGRICULTURAL ADJUSTMENT ADMINISTRATION

Apple recipes. Recipes from Bureau of Home Economics. [8 p.] Folder.
Price, 5¢ each. \$1.00 per hundred.

DM-2. Some problems involved in establishing milk prices. E. W. Gaumnitz and O. M. Reed. 227 p.²

GCM-4. Some problems in marketing tomatoes grown in the lower Rio Grande Valley of Texas. 12 p.³

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 22, no. 1, January 1, 1938. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.¹

Crops and markets. Vol. 14, no. 12, December 1937. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.¹

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscription, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations through the United States, 20¢ a month, \$2.40 a year.¹

Experiment station record. Vol. 78, no. 1, January 1938. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single number for sale only. Price, 15¢.¹

A technical view of the world's scientific literature pertaining to agriculture.

Extension service review. Vol. 9, no. 1, January 1938. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢ domestic; 20¢ foreign.¹ Not distributed free to individuals.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each.

Calif.-89. (In vol. 55, no. 8.) Foot rot of China-aster, annual stock, and Transvaal daisy caused by *Phytophthora cryptogea*. C. M. Tompkins and C. M. Tucker.

¹ These may be obtained from the issuing bureau.
³ These may be obtained free upon application to the Agricultural Adjustment Administration.

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Journal of agricultural research—Continued.

- Colo.-10. (In vol. 55, no. 7.) Factors affecting chlorosis in irrigated wheat. D. W. Robertson and Robert Gardner.
- E-71. (In vol. 55, no. 8.) Distribution and variation with maturity of dissolved solids, sucrose, and titratable acidity in the sorgo stalk. Emil K. Ventre and S. Byall.
- G-1061. (In vol. 55, no. 7.) Cross transfer of mineral nutrients in the tobacco plant. J. E. McMurtrey, Jr.
- G-1062. (In vol. 55, no. 7.) Physiologic races of *Tilletia tritici* and *T. levis*. H. A. Rodenhiser and C. S. Holton.
- G-1063. (In vol. 55, no. 7.) *Fusarium* resistance in Wisconsin All Seasons cabbage. L. M. Blank.
- Mich.-31. (In vol. 55, no. 7.) Factors influencing the ripening season of sour cherries. V. R. Gardner.
- Mich.-32. (In vol. 55, no. 8.) A formula for reducing the computations necessary to find the variance of a set of averages. William Dowell Baten.
- Minn.-101. (In vol. 55, no. 8.) The uronic acid content of the nitrogen-free extract of feeding stuffs. G. A. Guanzon and W. M. Sandstrom.
- Minn.-102. (In vol. 55, no. 7.) Observations on the variations in cyanogenetic power of white clover plants. Charles F. Rogers and O. C. Frykolm.
- Wis.-87. (In vol. 55, no. 6.) Potentialities of eradicant fungicides for combating apple scab and some other plant diseases. G. W. Keitt and D. H. Palmiter.
- Wis.-88. (In vol. 55, no. 6.) The toxicity of copper-lime-arsenic mixtures to certain phytopathogenic fungi grown on malt agar plates. D. H. Palmiter and G. W. Keitt.
- Wis.-89. (In vol. 55, no. 8.) Relation of water-soaked tissues to infection by *Bacterium angulatum* and *Bact. tabacum* and other organisms. James Johnson.
- Wis.-90. (In vol. 55, no. 7.) Macrosporogenesis and embryo-sac development in *Euchlaena mexicana* and *Zea mays*. D. C. Cooper.
- Wis.-91. (In vol. 55, no. 8.) Effect of species of host plant on nitrogen fixation in *Melilotus*. P. W. Wilson, J. C. Burton, and V. S. Bond.

— Vol. 55, no. 9, November 1; no. 10, November 15, 1937.

Monthly weather review. Vol. 65, no. 10, October 1937. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.² Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 18, no. 11, January 1938. Price, 10¢ a copy; \$1 a year, \$1.50 a year, foreign.²

Makes available to road builders the results of investigations relating to the physical and economic problems of road building.

Soil conservation. Vol. 3, no. 7, January 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.40 a year, foreign.²

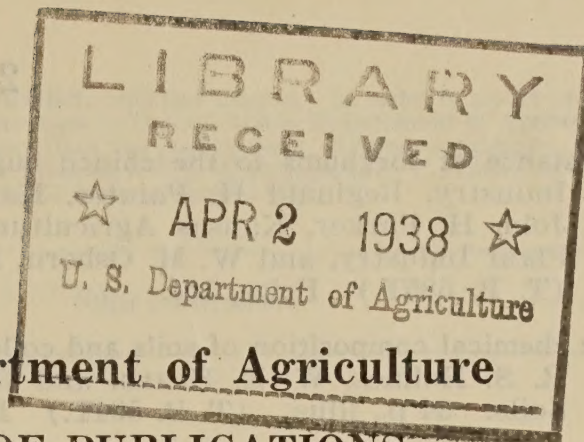
Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 1-4, January 4-25, 1938. Price, 50¢ a year, domestic; \$1 a year, foreign.²

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

FEBRUARY 1938

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FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Mule production. J. O. Williams, Bureau of Animal Industry; revised by S. R. Speelman, Bureau of Animal Industry. 28 p., illus. (F. B. 1341F., rev.) Price, 5¢.

Planting the roadside. Furman Lloyd Mulford, Bureau of Plant Industry. 38 p., illus. (F. B. 1481F., rev.) Price, 5¢.

Fire safeguards for the farm. V. N. Valgren, formerly in Bureau of Agricultural Economics, Harry E. Roethe, Bureau of Chemistry and Soils, and M. C. Betts, Bureau of Public Roads. Revised by V. N. Valgren, Farm Credit Administration, Harry E. Roethe, Bureau of Chemistry and Soils, Wallace Ashby, Bureau of Agricultural Engineering, and William H. Rowe, Bureau of Agricultural Economics. 25 p., illus. (F. B. 1643F., rev.) Price, 5¢.

Muscadine grapes. Charles Dearing, Bureau of Plant Industry. 37 p., illus. (F. B. 1785F.) Price, 5¢.

Implements and methods of tillage to control soil blowing on the northern Great Plains. John S. Cole and George W. Morgan, Bureau of Plant Industry; in collaboration with the Soil Conservation Service. 21 p., illus. (F. B. 1797F.) Price, 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins, except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Production of salsify or vegetable-oyster. W. R. Beattie, Bureau of Plant Industry. 2 p. Leaf. 135L. Price, 5¢.

Clothes moths. E. A. Back, Bureau of Entomology and Plant Quarantine. 8 p., illus. (Leaf. 145L.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited, as they are intended primarily for scientific workers and subject-matter specialists.

Spreading water for storage underground. A. T. Mitchelson and Dean C. Muckel, Bureau of Agricultural Engineering. 80 p., illus. (T. B. 578T.) Price, 15¢.

Resistance of sorghums to the chinch bug. Ralph O. Snelling, Bureau of Plant Industry, Reginald H. Painter, Kansas Agricultural Experiment Station, John H. Parker, Kansas Agricultural Experiment Station and Bureau of Plant Industry, and W. M. Osborn, Bureau of Plant Industry. 56 p., illus. (T. B. 585T.) Price, 15¢.

The chemical composition of soils and colloids of the Norfolk and related soil series. R. S. Holmes, W. E. Hearn, and H. G. Byers, Bureau of Chemistry and Soils. 34 p., illus. (T. B. 594T.) Price, 25¢.

Composition and fractionation of American steam-distilled wood turpentine. S. Palkin, T. C. Chadwick, and M. B. Matlack, Bureau of Chemistry and Soils. 30 p., illus. (T. B. 596T.) Price, 5¢.

Relation of spot cotton prices to prices of futures contracts and protection afforded by trading in futures. L. D. Howell and Leonard J. Watson, Bureau of Agricultural Economics. 100 p., illus. (T. B. 602T.) Price, 15¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Low temperature as a possible means of controlling the cigarette beetle in stored tobacco. M. C. Swingle, Bureau of Entomology and Plant Quarantine. 8 p., illus. (Cir. 462C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Bioclimatics. A science of life and climate relations. Andrew Delmar Hopkins, formerly Bureau of Entomology and Plant Quarantine. 188 p., illus. (M. P. 280M.) Price, 35¢.

Work of the United States Forest Service. Forest Service. 40 p., illus. (M. P. 290M.) Price, 10¢.

The national poultry improvement plan. Bureau of Animal Industry in cooperation with poultry leaders, poultry breeders, and members of the breeder and commercial hatchery industry. 23 p. (M. P. 300M.) Price, 5¢.

Nuts and ways to use them. Elizabeth Fuller Whiteman, Bureau of Home Economics. 9 p. (M. P. 302M.) Price, 5¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Bureau of Animal Industry. Service and regulatory announcements. December 1937. Pp. 137-146. (S. R. A.-B. A. I. 368); January 1938, pp. 1-11. (S. R. A.-B. A. I. 369). Price, 5¢ each.¹

Modification of cotton regulations. Amendment no. 3 of rules and regulations governing the importation of cotton and cotton wrappings into the United States. Effective on and after December 11, 1937. Bureau of Entomology and Plant Quarantine. (B. E. P. Q.—Cotton Regs.)²

Notice of judgment under the Food and Drugs Act. Food and Drug Administration. 1 p. (N. J., F. D. 26818). Drugs.²

Notices of judgment under the Insecticide Act. Food and Drug Administration. Pp. 343-356. (N. J., I. F. 1551-1575.)²

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

² These may be obtained from the issuing bureau.

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Farmers' Bulletins	Leaflets	Other publications

OTHER PUBLICATIONS

Index-catalogue of medical and veterinary zoology. Part 2. Authors: B to Bychkov. Albert Hassall, Margie Potter, Mildred A. Doss, Marion M. Farr, and Gertrude B. Carson, Bureau of Animal Industry. 612 p. Price, 55¢.

Taming our forests.—Martha Bensley Bruère. 87 p., illus. Price, 15¢.

What forests give. Martha Bensley Bruère. 79 p., illus. Price, 15¢.

International code for radio weather reports from ships. Weather Bureau. 16 p. (W .B. No. 1046.) Price, 5¢.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

D. M. 3. Stability in milk markets. 13 p., illus.³

38-Cotton-1. Questions and answers on the Agricultural Adjustment Act of 1938 as it applies to cotton. 4 p.³

G. C. M.-3. Marketing agreements for fruits and vegetables. 8 p., illus.³

MI-2. Stopping waste in farm surpluses. 10 p., illus.³

38-Tobacco-1. Flue-cured tobacco facts. 4 p., illus.³

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 22, no. 2, February 1, 1938. Price, 5¢ a copy ; 25¢ a year, domestic ; 45¢ a year, foreign.¹

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and the prices of the important farm products.

Crops and markets. Vol. 15, no. 1, January 1938. Price, 10¢ a copy ; \$1.00 a year, domestic ; \$1.50 a year, foreign.¹

Statistics concerning crops and livestock estimates and market information ; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products ; and studies of prices and demands, both foreign and domestic.

Experiment station record. Vol. 76. Index number. Vol. 78, no. 2, February 1938. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index ; \$1.75 per volume, foreign. Single number for sale only. Price, 15¢.¹

A technical view of the world's scientific literature pertaining to agriculture.

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³ These may be obtained free upon application to the Agricultural Adjustment Administration.

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Extension service review. Vol. 9, no. 2, February 1938. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

— Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each.

Calif.-90. (In vol. 55, no. 9.) Interrelationships of egg production factors as determined for White Leghorn pullets. I. Michael Lerner and Lewis W. Taylor.

F-71. (In vol. 51, no. 6.) The construction of normal-yield and stand tables for even-aged timber stands. James G. Osborne and Francis X. Schumacher.

G-1061. (In vol. 55, no. 7.) Cross transfer of mineral nutrients in the tobacco plant. J. E. McMurtrey, Jr.

G-1069. (In vol. 55, no. 9.) Physiologic races of *Ustilago hordei*. V. F. Tapke.

K-288. (In vol. 55, no. 9.) Improvements in determination of oil deposit on sprayed foliage. L. H. Dawsey and J. Hiley.

Minn.-100. (In vol. 55, no. 9.) The nature and interaction of genes conditioning reaction to rust in flax. W. M. Myers.

Ohio-23. (In vol. 55, no. 8.) The effect of mechanical processing of feeds on the mastication and rumination of steers. C. H. Kick, Paul Gerlaugh, A. F. Schalk, and E. A. Silver.

Wis.-89. (In vol. 55, no. 8.) Relation of water-soaked tissues to infection by *Bacterium angulatum* and *Bact. tabacum* and other organisms. James Johnson.

Journal of agricultural research. Vol. 55, no. 11, December 1; no. 12, December 15, 1937. Illus.

Monthly weather review. Vol. 65, no. 11, November 1937. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.¹ Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Soil conservation. Vol. 3, no. 8, February 1938. Price, 10¢ a copy; \$1 a year, domestic.¹

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 5-8, February 1-22, 1938. Price, 50¢ a year, domestic; \$1 a year, foreign.¹

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

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FARMERS' BULLETINS

Growing fruit for home use. H. P. Gould, Bureau of Plant Industry. 54 p., illus. (F. B. 1001F., rev.) Price, 10¢.

Parasites and parasitic diseases of sheep. Maurice C. Hall, Gerard Dikmans, and Willard H. Wright, Bureau of Animal Industry. 49 p., illus. (F. B. 1330F., rev.) Price, 5¢.

Diseases of cabbage and related plants. J. C. Walker, Bureau of Plant Industry, and professor at University of Wisconsin. 36 p., illus. (F. B. 1439F., rev.) Price, 5¢.

Fire-protective contruction on the farm. Prepared by the Bureaus of Chemistry and Soils, Agricultural Engineering, and Agricultural Economics, in cooperation with the National Fire Protection Association. 22 p., illus. (F. B. 1590F., rev.) Price, 5¢.

Farm production of sorgo sirup. C. F. Walton, Jr., E. K. Ventre, and S. Byall, Bureau of Chemistry and Soils. 40 p., illus. (F. B. 1791F.) Price, 5¢.

LEAFLETS

When to cut rice. W. D. Smith, Bureau of Agricultural Economics, and Jenkin W. Jones, Bureau of Plant Industry. 5 p. (Leaf. 148L.) Price, 5¢.

How to cut southern farm timber for steady profit. Wilbur R. Mattoon, Forest Service. 8 p., illus. (Leaf. 153L.) Price, 5¢.

Production of parsnips. J. H. Beattie and W. R. Beattie, Bureau of Plant Industry. 4 p., illus. (Leaf. 154L.) Price 5¢.

Carpet beetles. E. A. Back, Bureau of Entomology and Plant Quarantine. 6 p., illus. (Leaf. 150L.) Price, 5¢.

TECHNICAL BULLETINS

The relation of growth to the varying carbohydrate content in mountain brome. Edward C. McCarty, Forest Service. 24 p., illus. (T. B. 598T.) Price, 5¢.

Rubber content and habits of a second desert milkweed (*Asclepias erosa*) of southern California and Arizona. R. E. Beckett, R. S. Stitt, and E. N. Duncan, Bureau of Plant Industry. 12 p., illus. (T. B. 604T.) Price, 5¢.

Deterioration of paper as indicated by gas chamber tests. T. D. Jarrell, Bureau of Chemistry and Soils; J. M. Hankins, Bureau of Plant Industry; and F. P. Veitch, Bureau of Chemistry and Soils. 22 p., illus. (T. B. 605T.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

List of available publications of the United States Department of Agriculture. January 3, 1938. Fred L. Zimmerman and Phyllis R. Read, Office of Information. 199 p. (M. P. 60M., rev.)

Insect enemies of western forests. F. P. Keen, Bureau of Entomology and Plant Quarantine. 210 p., illus. (M. P. 273M.) Price, 25¢.

What is soil erosion. C. F. Stewart Sharpe, Soil Conservation Service. 84 p., illus. (M. P. 286M.) Price, 15¢.

Teaching conservation of wildlife through 4-H clubs. Ruth Lohmann, Extension Service. 34 p., illus. (M. P. 291M.) Price, 10¢.

Bibliography on highway safety. Mildred A. Wilson, Bureau of Public Roads. 136 p. (M. P. 296M.) Price, 15¢.

Directory of organization and field activities of the Department of Agriculture. Edmund Stephens, Office of Budget and Finance, in cooperation with the Offices of Information and Personnel, and other bureaus and offices of the Department. 194 p. (M. P. 304M.) Price, 20¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Bureau of Animal Industry. Service and regulatory announcements. Index, January-December 1937. Pp. 147-150.¹

Modification of pink bollworm quarantine regulations. Revision of Regulation 3. Effective January 3, 1938. Bureau of Entomology and Plant Quarantine. 2 p. (B. E. P. Q.-Q. 52.)¹

Notices of judgment under the Caustic Poison Act. Food and Drug Administration. Pp. 1-2. (N. J., C. P. 82-84.)¹

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp 285-332. (N. J., F. D. 27576-27700.) Foods.¹

SOIL SURVEYS

Arizona, the Upper Gila Valley area. (No. 15, series 1933.) 41 p., illus. Price, 30¢.

Michigan, Oceana County. (No. 12, series 1933.) 47 p., illus. Price, 40¢.

Nebraska, Loup County. (No. 1, series 1934.) 34 p., illus. Price, 40¢.

North Carolina, Surry County. (No. 20, series 1932.) 31 p., illus. Price, 20¢.

Oklahoma, McIntosh County. (No. 11, series 1933.) 45 p., illus. Price, 35¢.

STATISTICAL BULLETINS

Annual report on tobacco statistics, 1937. Bureau of Agricultural Economics. 110 p. (S. B. 63SB.) Price, 15¢.

REPRINTS FROM 1937 YEARBOOK

1581. Breeding vegetable crops. Pp. 171-404, illus. Price, 20¢.

1582. Breeding and genetics in potato improvement. Pp. 405-444, illus. Price, 10¢.

1583. Breeding small fruits. Pp. 445-544, illus. Price, 15¢.

1584. Some unusual opportunities in plant breeding. Pp. 545-558, illus. Price, 5¢.

1585. Improving the wild blueberry. Pp. 559-575, illus. Price, 5¢.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

38-Corn-1. Corn loans, acreage allotments, and marketing quotas. 4 p., illus.²

38-Cotton-2. Marketing quotas for cotton? 1 p.²

38-Tobacco-2. The Agricultural Adjustment Act of 1938 in relation to flue-cured tobacco. 4 p.²

38-Tobacco-3. Fire-cured and dark air-cured tobacco. 4 p.²

38-Tobacco-4. The A. A. A. farm program for cigar-tobacco growers. 4 p.²

38-Tobacco-5. Burley tobacco facts and the new act. 4 p.²

G-83. The new farm act. A short summary of the provisions of the Agricultural Adjustment Act of 1938. 8 p.²

¹ These may be obtained from the issuing bureau.

² These may be obtained free upon application to the Agricultural Adjustment Administration.

Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other Publications

- G-84. Crop insurance for wheat growers. 4 p.²
NER 213. Summary of the 1938 A. A. A. farm program. Northeast region. 4 p.²
WR Leaflet No. 202. The 1938 range conservation program—western region. 4 p.²

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 22, no. 3, March 1, 1938. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.²

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Crops and markets. Vol. 15, no. 2, February 1938. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demands, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.²

Experiment station record. Vol. 78, no. 3, March 1938. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single number for sale only. Price, 15¢.²

A technical view of the world's scientific literature pertaining to agriculture.

Extension service review. Vol. 9, no. 3, March 1938. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.² *Not distributed free to individuals.*

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

Vol. 56, no. 1, January 1; no. 2, January 15; no. 3, February 1, 1938. Illus.

² These may be obtained free upon application to the Agricultural Adjustment Administration.

³ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Journal of agricultural research—Continued.

Fla.-20. (In vol. 55, no. 10.) Quantitative determination of copper and estimation of other trace elements by spectrographic methods in wire grasses from "salt sick" and healthy areas. L. L. Rusoff, L. H. Rogers, and L. W. Gaddum.

G-1066. (In vol. 55, no. 9.) Twig lesions as a source of early spring infection by the pear scab organism. J. R. Kienholz and Leroy Childs.

G-1067. (In vol. 55, no. 10.) Comparative reaction of oat varieties in the seedling and maturing stages to physiologic races of *Puccinia graminis avenae*, and the distribution of these races in the United States. M. N. Levine and D. C. Smith.

Iowa-27. (In vol. 55, no. 10.) Factors influencing the development of soggy breakdown in apples. H. H. Plagge and T. J. Maney.

Ohio-24. (In vol. 55, no. 10.) Response of oat varieties to different fertility levels. C. A. Lamb and Robert M. Salter.

Vol. 56, no. 1, January 1; no. 2, January 15; no. 3, February 1, 1938. illus.

Monthly weather review. Vol. 65, no. 12, December 1937. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.³ Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 18, no. 12, February 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.³

Makes available to road builders the results of investigations relating to the physical and economic problems of road building.

Soil conservation. Vol. 3, no. 9, March 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.40 a year, foreign.³

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 9-13, March 1-29, 1938. Price, 50¢ a year, domestic; \$1 a year, foreign.³

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

³ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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MONTHLY LIST OF PUBLICATIONS

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Any five of the nontechnical publications listed herein, unless indicated "For sale only", may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

Terracing for soil and water conservation. C. L. Hamilton, Soil Conservation Service. 60 p., illus. (F. B. 1789F.) Price, 10¢.

Forest farming. Forest Service. 18 p., illus. (F. B. 1794F.) Price, 5¢.

LEAFLETS

Production of water cress. J. H. Beattie, Bureau of Plant Industry. 4 p., illus. (Leaf. 134L.) Price, 5¢.

Production of radishes. J. H. Beattie and W. R. Beattie. Bureau of Plant Industry. 4 p. (Leaf. 157L.) Price, 5¢.

TECHNICAL BULLETINS

Studies on the possibilities of devil's shoestring (*Tephrosia virginiana*) and other native species of *Tephrosia* as commercial sources of insecticides. A. F. Sievers, G. A. Russell, M. S. Lowman, E. D. Fowler, and C. O. Erlanson, Bureau of Plant Industry; and V. A. Little, Agricultural and Mechanical College of Texas. 40 p., illus. (T. B. 595T.) Price, 10¢.

The influence of climate and grazing on spring-fall sheep range in southern Idaho. G. W. Craddock and C. L. Forsling, Forest Service. 43 p., illus. (T. B. 600T.) Price, 10¢.

Influence of farm manure on yields and sucrose of sugar beets. Stephen H. Hastings, S. B. Nuckols, and Lionel Harris, Bureau of Plant Industry. 12 p., (T. B. 614T.) Price, 5¢.

CIRCULARS

The toxicity of *Haplophyton cnicoides* A. DC. to fruitflies. C. C. Plummer, Bureau of Entomology and Plant Quarantine. 11 p. (Cir. 455C.) Price, 5¢.

Artificial reseeding on oak-brush range in central Utah. Raymond Price, Forest Service. 19 p., illus. (Cir. 458C.) Price, 10¢.

Wholesale markets for fruits and vegetables in 40 cities. William C. Crow, Bureau of Agricultural Economics. 142 p., illus. (Cir. 463C.) Price, 15¢.

Effect of storage and repeated sprouting of seed potatoes on their growth and productiveness. P. M. Lombard, Bureau of Plant Industry. 8 p., illus. (Cir. 465C.) Price, 5¢.

An extension program for range management and range livestock as adopted at a regional extension conference held at Spokane, Wash., May 24-27, 1937. W. A. Lloyd, Extension Service. 11 p. (Cir. 468C.) Price, 5¢.

Rules and recommendations for testing seeds. 24 p. (Cir. 480C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

A selected bibliography on management of western ranges, livestock, and wildlife. F. G. Renner, Edward C. Crafts, Theo. C. Hartman, and Lincoln Ellison, Forest Service. 468 p. (M. P. 281M.) Price, 45¢.

Bibliography on land utilization, 1918-36. Louise O. Bercaw, Annie M. Hannay, and Mary G. Lacy, Bureau of Agricultural Economics, in cooperation with Resettlement Administration. 1508 p. (M. P. 284M.) Price, \$1.50. Restricted distribution.

Motion pictures of the United States Department of Agriculture, 1938. Extension Service. 24 p. (M. P. 288M.) Price, 5¢.

List of bulletins of the agricultural experiment stations for the calendar years 1935 and 1936. Catherine E. Pennington, Office of Experiment Stations. 94 p. (M. P. 294M.) Price, 15¢.

Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations. 1937-38. Mary A. Agnew, Office of Experiment Stations. 140 p. (M. P. 299M.) Price, 15¢.

Erosion and its control in Oklahoma Territory. Angus McDonald, Soil Conservation Service. 48 p., illus. (M. P. 301M.) Price, 15¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Packers and Stockyards Act 1921, as amended, 1926 and 1935. Effective on and after March 1, 1938. Bureau of Animal Industry. (B. A. I. Order 364.) 19 p.¹

Bureau of Animal Industry. Service and regulatory announcements. February 1938. Pp. 13-26. (S. R. A.-B. A. I. 370); pp. 27-40. (S. R. A.-B. A. I. 371). Price, 5¢ each.²

Bureau of Entomology and Plant Quarantine. Service and regulatory announcements. October-December 1937. Pp. 257-318. (S. R. A.-B. E. P. Q. No. 133.)¹

Regulations relating to wheat crop insurance. April 1938. Federal Crop Insurance Corporation. 11 p. (F. C. I. R.—Series 1, No. 1.)¹

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 333-362. (N. J., F. D. 27701-27750). Drugs. Pp. 363-413. (N. J., F. D. 27751-27875.) Foods.¹

Standards under the Tea Act. Effective May 1, 1938. Food and Drug Administration. Service and regulatory announcements. (S. R. A., T. No. 12.)¹

SOIL SURVEYS

California, Napa area. (No. 13, series 1933.) 76 p., illus. Price, 40¢.

Iowa, Franklin County. (No. 23, series 1932.) illus. Price, 45¢.

Nebraska, Garfield County. (No. 3, series 1934.) 38 p., illus. Price, 35¢.

North Carolina, Pamlico County. (No. 2, series 1934.) 29 p., illus. Price, 30¢.

West Virginia, Pocahontas County. (No. 14, series 1933.) 48 p., illus. Price, 55¢.

OTHER PUBLICATIONS

Clemson College land utilization project. Bureau of Agricultural Economics. [8 p.], illus.¹

The Boston Mountain land use project. Bureau of Agricultural Economics. [4 p.], illus.¹

The Magazine Mountain land use project. Bureau of Agricultural Economics. [4 p.], illus.¹

The Natchez Trace land use project. Bureau of Agricultural Economics. [4 p.], illus.¹

The northeast Mississippi land use project. Bureau of Agricultural Economics. [8 p.], illus.¹

The northwest Arkansas land use project. Bureau of Agricultural Economics. [8 p.], illus.¹

Topsoil, its preservation. Soil Conservation Service. 22 p., illus. Price, 10¢.

REPRINTS FROM 1937 YEARBOOK

1586. Breeding apples and pears. Pp. 575-630, illus. Price, 10¢.

1587. Grape development and improvement. Pp. 631-664, illus. Price, 10¢.

1588. Improvement of stone fruits. Pp. 665-748, illus. Price, 15¢.

1589. Improvement of subtropical fruit crops. Pp. 749-826. Pp. 1-77. (Omitted from 1937 Yearbook.) Illus.

1590. Nut breeding. Pp. 827-890, illus. Price, 10¢.

¹ These may be obtained from the issuing bureau.

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Farmers' Bulletins	Leaflets	Other Publications

AGRICULTURAL ADJUSTMENT ADMINISTRATION

- ECR 202—Ky. Balanced farming for Kentucky—1938. 4 p.
 ECR 202—Md. Balanced farming for Maryland—1938. 4 p.
 ECR 202—N. C. Balanced farming for North Carolina—1938. 4 p.
 ECR 202—Tenn. Balanced farming for Tennessee—1938. 4 p.
 ECR 202—Va. Balanced farming for Virginia—1938. 4 p.
 ECR 202—W. Va. Balanced farming for West Virginia—1938. 4 p.
 NCR Leaflet No. 201. The 1938 farm program for Indiana, Illinois, Iowa, Missouri, Michigan, Minnesota, Ohio, and Wisconsin. 4 p.
 NCR Leaflet No. 202. The 1938 farm program for Nebraska and South Dakota. 4 p.
 NER 213, rev. Summary of the 1938 A. A. A. farm program—northeast region. 4 p.
 SR Leaflet No. 201. How the A. A. A. farm program will operate in 1938. 8 p.
 SR Leaflet No. 251. Improvement and conservation of Oklahoma and Texas range lands. 8 p.
 WR Leaflet No. 201. The 1938 farm program—western region. 4 p.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 22, no. 4, April 1, 1938. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.²

Crops and markets. Vol. 15, no. 3, March 1938. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscription, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations through the United States, 20¢ a month, \$2.40 a year.²

Experiment station record. Vol. 78, no. 4, April 1938. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price, 15¢.²

A technical review of scientific literature pertaining to agriculture.

Extension service review. Vol. 9, no. 4, April 1938. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

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Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.² **Not distributed free to individuals.**

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Vol. 56, no. 4, February 15, 1938. Illus.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

Calif.-91. (In vol. 55, no. 12.) Resistance of sheep of different breeds to infestation by *Ostertagia circumcincta*. M. A. Stewart, R. F. Miller, and J. R. Douglas.

Calif.-92. (In vol. 56, no. 1.) Adaptation and use of automatically operated sand-culture equipment. H. D. Chapman and George F. Liebig, Jr.

G-1070. (In vol. 55, no. 12.) An example of the ability of *Ribes lacustre* to intensify *Cronartium ribicola* on *Pinus monticola*. J. L. Mielke.

G-1076. (In vol. 55, no. 12.) Water soaking of leaves in relation to development of the blackfire disease of tobacco. E. E. Clayton.

G-1078. (In vol. 55, no. 12.) Role of molybdenum in the utilization of ammonium and nitrate nitrogen by *Aspergillus niger*. Robert A. Steinberg.

I-22. (In vol. 55, no. 11.) The loss of carotene in hays and alfalfa meal during storage. Edward A. Kane, Herbert G. Wiseman, and C. A. Cary.

K-287. (In vol. 55, no. 11.) A statistical study of sampling in field surveys of the fall population of the European corn borer. M. T. Meyers and L. H. Fatch.

K-289. (In vol. 55, no. 12.) The translocation of derris constituents in bean plants. Robert A. Fulton and Horatio C. Mason.

K-290. (In vol. 55, no. 12.) Quantitative injection and effects of nicotine in insects. N. E. McIndoo.

Maine-25. (In vol. 55, no. 10.) Some properties of potato rugose mosaic and its components. Donald Folsom and Reiner Bonde.

Pa.-57. (In vol. 55, no. 12.) Growth substances in relation to the mechanism of the action of radiation on plants. H. W. Popp and H. R. C. McIlvaine.

Monthly weather review. Vol. 66, no. 1, January 1938. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.² Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 19, no. 1, March; No. 2, April 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.²

Makes available to road builders the results of investigations relating to the physical and economic problems of road building.

Soil conservation. Vol. 3, no. 10, April 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.40 a year, foreign.²

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 14-17, April 5-26, 1938. Price, 50¢ a year, domestic; \$1 a year, foreign.²

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

³ These may be obtained free upon application to the Agricultural Adjustment Administration.

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MONTHLY LIST OF PUBLICATIONS

MAY 1938

Any five of the nontechnical publications listed herein, unless indicated "For sale only", may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

- The wheat strawworm and its control. W. J. Phillips and F. W. Poos, Bureau of Entomology and Plant Quarantine. 10 p. illus. (F. B. 1323F., rev.) Price, 5¢.
- How to control grasshoppers in cereal and forage crops. J. R. Parker, W. R. Walton, and R. L. Shotwell, Bureau of Entomology and Plant Quarantine. 17 p., illus. (F. B. 1691F., rev.) Price, 5¢.
- Nitrogen-fixing bacteria and legumes. Lewis T. Leonard, Bureau of Plant Industry. 14 p., illus. (F. B. 1784F.) Price, 5¢.
- Home-made jellies, jams, and preserves. Fanny Walker Yeatman and Mabel C. Stienbarger, Bureau of Home Economics. 18 p. (F. B. 1800F.) Price, 5¢.

LEAFLETS

- Growing nursery stock of southern pines. M. A. Huberman, Forest Service. 8 p., illus. (Leaf. 155L.) Price, 5¢.
- Harvesting and selling seed of southern pines. Philip C. Wakeley, Forest Service. 8 p., illus. (Leaf. 156L.) Price, 5¢.

TECHNICAL BULLETINS

- Wintering beef cows on the range with and without a supplément of cottonseed cake. W. H. Black, J. R. Quesenberry, A. L. Baker, Bureau of Animal Industry. 22 p., illus. (T. B. 603T.) Price, 5¢.
- Factors influencing the quality of American grapes in storage. J. M. Lutz, Bureau of Plant Industry. 27 p., illus. (T. B. 606T.) Price, 5¢.
- Pocket mice of Washington and Oregon in relation to agriculture. Theo. H. Schef-fer, Bureau of Biological Survey. 15 p., illus. (T. B. 608T.) Price, 10¢.
- Feeding dairy cows on alfalfa hay alone. R. R. Graves, J. R. Dawson, D. V. Kop-land, A. L. Watt, and A. G. Van Horn, Bureau of Dairy Industry. 47 p., illus. (T. B. 610T.) Price, 10¢.
- Methods of making silage from grasses and legumes. T. E. Woodward and J. B. Shepherd, Bureau of Dairy Industry. 34 p., illus. (T. B. 611T.) Price, 10¢.

CIRCULARS

- The commercial storage of fruits, vegetables, and florists' stocks. Dean H. Rose, R. C. Wright, and T. M. Whiteman, Bureau of Plant Industry. 44 p. (Cir. 278C., rev.) Price, 10¢.
- Mushroom pests and their control. A. C. Davis, Bureau of Entomology and Plant Quarantine. 22 p., illus. (Cir. 457C.) Price, 5¢.
- The gypsy and brown-tail moths and their control. A. F. Burgess and W. L. Baker, Bureau of Entomology and Plant Quarantine. 38 p., illus. (Cir. 464C.) Price, 10¢.
- A weather-resistant fireproofing treatment for cotton fabrics. Martin Leatherman, Bureau of Chemistry and Soils. 18 p., illus. (Cir. 466C.) Price, 5¢.
- Milk-bottle losses and ways to reduce them. C. E. Clement, Bureau of Dairy In-dustry. 39 p., illus. (Cir. 469C.) Price, 10¢.

MISCELLANEOUS PUBLICATIONS

- A graphic summary of farm crops. (Based largely on the census of 1930 and 1935). O. E. Baker and A. B. Genung, Bureau of Agricultural Economics. 129 p., illus. (M. P. 267M.) Price, 15¢.
- The classification of cotton. Bureau of Agricultural Economics. 54 p., illus. (M. P. 310M.) Price, 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

- Bureau of Animal Industry. Service and regulatory announcements. April 1938. Pp. 41-52. (S. R. A.-B. A. I. 372). Price, 5¢.¹
- Japanese beetle quarantine. Quarantine no. 48. Revision of regulations. Effective April 11, 1938. 14 p. (B. E. P. Q.-Q. 48.)²
- Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 415-441. (N. J., F. D. 27876-27925). Drugs.²
- Notices of judgment under the Insecticide Act. Food and Drug Administration. Pp. 357-374. (N. J., I. F. 1576-1600).²

SOIL SURVEYS

- Indiana, Pike County. (No. 47, series 1930.) 68 p., illus. Price, 40¢.
- New York, Wyoming County. (No. 16, series 1933.) 45 p., illus. Price, 40¢.
- North Carolina, Jones County. (No. 4, series 1934.) 27 p., illus. Price, 35¢.

OTHER PUBLICATIONS

- Methods of evaluating the macadamia nut for commercial use and the variation occurring among seedling plantings in Hawaii. J. C. Ripperton, R. H. Moltzau, and D. W. Edwards, Hawaii Agricultural Experiment Station. 26 p., illus. (Hawaii Bull. 79.) Price, 15¢.
- Revision of the North American ground squirrels, with a classification of the North American Sciuridae. Arthur H. Howell, Bureau of Biological Survey. 256 p., illus. (N. A. Fauna 56NA.) Price, 40¢.
- The central Oregon land utilization project. Bureau of Agricultural Economics. [4 p.], illus.²

REPRINTS FROM 1937 YEARBOOK

1591. Improvement of flowers by breeding. Pp. 890-998, illus. Price, 15¢.
1592. Miscellaneous forage and cover crop legumes. Pp. 999-1031, illus. Price, 10¢.
1593. Breeding miscellaneous grasses. Pp. 1032-1102, illus. Price, 10¢.
1594. Improvement of timothy. Pp. 1103-1121, illus. Price, 5¢.
1595. Alfalfa improvement. Pp. 1122-1153, illus. Price, 10¢.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

- GCM-5. Recent changes in the Florida citrus industry. 42 p., illus.³
- ECR 202—Del. Balanced farming for Delaware—1938. 4 p.³

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

- Agricultural situation. Vol. 22, no. 5, May 1938. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.¹

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

- Crops and markets. Vol. 15, no. 4, April 1938. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.¹

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demands, both foreign and domestic.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

² These may be obtained from the issuing bureau.

³ These may be obtained free upon application to the Agricultural Adjustment Administration.

Indicate below, by numbers **IN NUMERICAL ORDER**, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other Publications

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.³

Experiment station record. Vol. 78, no. 5, May 1938. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single number for sale only. Price, 15¢.¹

A technical review of the world's scientific literature pertaining to agriculture.

Extension service review. Vol. 9, no. 5, May 1938. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separate, 5¢, domestic; 8¢, foreign.¹ *Not distributed free to individuals.*

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

- Ariz.-13. (In vol. 56, no. 1.) The vitamin A value of blue grama range grass at different stages of growth. Margaret Cammack Smith and E. B. Stanley.
F-85. (In vol. 56, no. 2.) Growth prediction and site determination in uneven-aged timber stands. William A. Duerr and S. R. Gevorkiantz.
G-1068. (In vol. 55, no. 11.) Some effects of storage conditions on certain diseases of lemons. Charles Brooks and Lacy P. McColloch.
G-1073. (In vol. 56, no. 1.) Nematodes infesting red spiderlilies. G. Steiner.
G-1074. (In vol. 56, no. 2.) Relation of certain plant characters to strength of straw and lodging in winter wheat. I. M. Atkins.
G-1075. (In vol. 56, no. 1.) Initial tests of the distance of spread to and intensity of infection on *Pinus monticola* by *Cronartium ribicola* from *Ribes lacustre* and *R. viscosissimum*. T. S. Buchanan and J. W. Kimmey.
G-1077. (In vol. 56, no. 1.) Relation of the curly top virus to the vector, *Eutettix tenellus*. C. W. Bennett and Hugh E. Wallace.
G-1080. (In vol. 56, no. 2.) Effect of carbon dioxide storage on Bartlett pears under simulated transit conditions. Fisk Gerhardt and Boyce D. Ezell.
G-1081. (In vol. 56, no. 1.) Influence of certain harmful soil constituents on severity of pythium root rot of sugarcane. R. D. Rands and Ernest Dopp.
Md.-9. (In vol. 56, no. 2.) A method for extracting growth substances from pigmented tissues. H. G. DuBuy.
Pa.-58. (In vol. 55, no. 12.) The carbon metabolism of *Fusarium lycopersici* on glucose. Gordon H. Pritham and Arthur K. Anderson.

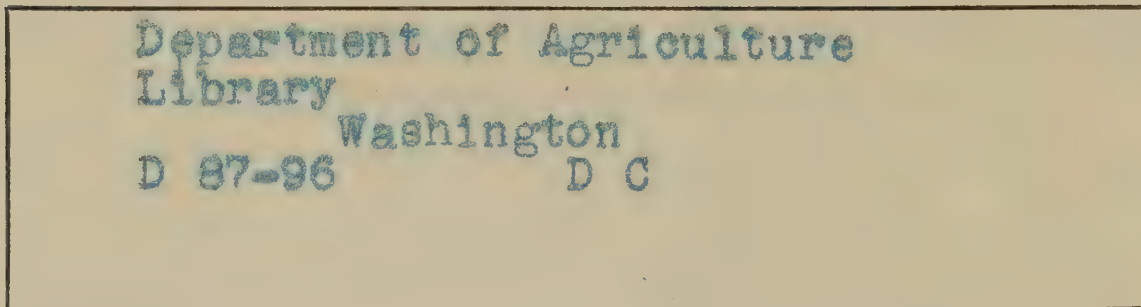
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³ These may be obtained free upon application to the Agricultural Adjustment Administration.

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OFFICIAL BUSINESS



5-38

Journal of agricultural research. Vol. 56, no. 5, March 1; no. 6, March 15; no. 7, April 1; no. 9, May 1, 1938.

Monthly weather review. Vol. 65, 1937. Index; vol. 66, no. 2, February 1938. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.¹ Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 19, no. 3, May 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

Makes available to road builders the results of investigations relating to the physical and economic problems of road building.

Soil conservation. Vol. 3, no. 11, May 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.40 a year, foreign.¹

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 18-21, May 3-24, 1938. Price, 50¢ a year, domestic; \$1 a year, foreign.¹

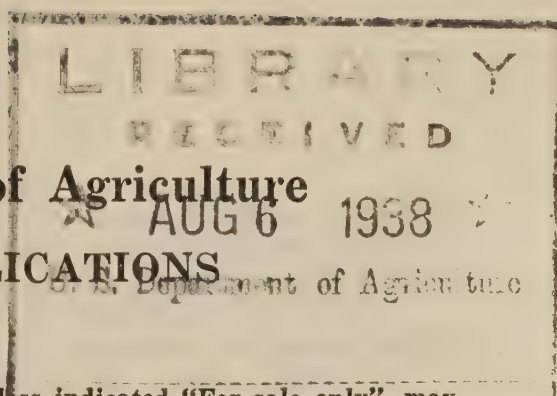
Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

JUNE 1938



Any five of the nontechnical publications listed herein, unless indicated "For sale only", may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

- A sawfly injurious to young pines. William Middleton, Bureau of Entomology and Plant Quarantine. 6 p., illus. (F. B. 1259F., rev.) Price, 5¢.
- The velvetbean. C. V. Piper and W. J. Morse, Bureau of Plant Industry. Revised by W. J. Morse, Bureau of Plant Industry. 22 p., illus. (F. B. 1276F., rev.) Price, 5¢.
- Watermelons. W. R. Beattie, Bureau of Plant Industry. 28 p., illus. (F. B. 1394F., rev.) Price, 5¢.
- Care and management of dairy bulls. J. R. Dawson, Bureau of Dairy Industry. 27 p., illus. (F. B. 1412F., rev.) Price, 5¢.
- Wheat smuts and their control. R. W. Leukel, J. A. Faris, V. F. Tapke, and H. A. Rodenhiser, Bureau of Plant Industry. 18 p., illus. (F. B. 1711F., rev.) Price, 5¢.
- Handling and preparing the Kieffer pear for use as food. C. W. Culpepper, J. M. Lutz, and H. H. Moon, Bureau of Plant Industry. 16 p., illus. (1796F.) Price, 5¢.
- Control of common white grubs in cereal and forage crops. Philip Luginbill, Bureau of Entomology and Plant Quarantine. 20 p., illus. (F. B. 1798F.) Price, 5¢.
- Making lime on the farm. N. A. Kessler, Bureau of Agricultural Engineering. 21 p., illus. (F. B. 1801F.) Price, 5¢.

LEAFLETS

- When a woman buys a coat. A pictorial supplement to (Leaf. 117L.) Quality guides in buying women's cloth coats. Clarice Louisba Scott, Bureau of Home Economics. [24 p.], illus. (Leaf. 117L., supp.) Price, 10¢.
- Quince growing. H. P. Gould, Bureau of Plant Industry. 4 p. (Leaf. 158L.) Price, 5¢.
- The eastern tent caterpillar. F. M. Wadley, Bureau of Entomology and Plant Quarantine. 4 p., illus. (Leaf. 161L.) Price, 5¢.
- Screwworm control. W. E. Dove, Bureau of Entomology and Plant Quarantine. 6 p., illus. (Leaf. 162L.) Price, 5¢.

TECHNICAL BULLETINS

- The bean weevil and the southern cowpea weevil in California. A. O. Larson and C. K. Fisher, Bureau of Entomology and Plant Quarantine. 71 p., illus. (T. B. 593T.) Price, 10¢.
- Biology of the pea weevil in the Pacific Northwest with suggestions for its control on seed peas. A. O. Larson, T. A. Brindley, and F. G. Hinman, Bureau of Entomology and Plant Quarantine, in cooperation with the Agricultural Experiment Stations of Idaho, Oregon, and Washington. 48 p., illus. (T. B. 599T.) Price, 10¢.
- Market-storage studies of Honey Dew melons and cantaloups. James S. Wiant, Bureau of Plant Industry. 19 p., illus. (T. B. 613T.) Price, 10¢.
- Soybeans in the United States; recent trends and present economic status. Ernest W. Grove, Bureau of Agricultural Economics. 81 p., illus. (T. B. 619T.) Price, 5¢.

CIRCULARS

- The cold storage of eggs and poultry. Thomas W. Heitz, Bureau of Agricultural Economics. 52 p., illus. (Cir. 73C., rev.) Price, 10¢.
- Control of the Japanese beetle and its grub in home yards. W. E. Fleming and F. W. Metzger, Bureau of Entomology and Plant Quarantine. 15 p., illus. (Cir. 401C., rev.) Price, 5¢.

- Sulphuric acid treatment to increase germination of black locust seed. H. G. Meginnis, Forest Service. 35 p., illus. (Cir. 453C.) Price, 10¢.
- Forest rights in foreign countries, with especial reference to grazing rights. William N. Sparhawk, Forest Service. 70 p. (Cir. 456C.) Price, 10¢.
- Effectiveness of imported insect enemies of the satin moth. T. H. Jones, R. T. Webber, and P. B. Dowden, Bureau of Entomology and Plant Quarantine. 24 p., illus. (Cir. 459C.) Price, 5¢.
- Care and repair of cotton-gin brushes. Victor L. Stedronsky, Bureau of Agricultural Engineering, and Arvid J. Johnson, Bureau of Agricultural Economics. 14 p., illus. (Cir. 467C.) Price, 5¢.
- Muskrat investigations in Dorchester County, Md., 1930-34. Frank R. Smith, Bureau of Biological Survey. 24 p., illus. (Cir. 474C.) Price, 10¢.
- The American dog tick, eastern carrier of Rocky Mountain spotted fever. F. C. Bishopp and Carroll N. Smith, Bureau of Entomology and Plant Quarantine. 26 p., illus. (Cir. 478C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

- Toward farm security. A. G. Black, Bureau of Agricultural Economics. 23 p., illus. (M. P. 308M.) Price, 10¢.
- Farm building surveys in Wisconsin, Kansas, Georgia, and Illinois. J. R. Dodge, Bureau of Agricultural Engineering, in cooperation with the Universities of Wisconsin, Georgia, and Illinois, and the Kansas State Agricultural College. 16 p. (M. P. 311M.) Price, 5¢.
- List of sires proved in dairy herd improvement associations, 1938. Bureau of Dairy Industry. 78 p. (M. P. 315M.) Price, 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

- Grades, requirements, and regulations of the Secretary of Agriculture for carrying out the provisions of the Export Apple and Pear Act of June 10, 1933 (48 Stat. 123, 7 U. S. C., Secs. 581-589). Bureau of Agricultural Economics. Service and regulatory announcements No. 143 revised. 6 p. (S. R. A.-B. A. E. 143, revised). Price, 5¢ each.
- Regulations governing the interstate movement of livestock, modifying regulation 7, as amended September 9, 1936. Effective on and after June 1, 1938. Bureau of Animal Industry. 1 p. (B. A. I. Order 309, amdt. 3.)¹
- Regulations governing the importation of domestic livestock and other animals into the United States from all countries except Mexico. Effective on and after July 1, 1938. Bureau of Animal Industry. 2 p. (B. A. I. Order 352, amdt. 3.)¹
- Order to prevent the introduction into the United States of rinderpest and foot-and-mouth disease. Effective on June 1, 1938. Bureau of Animal Industry. 2 p. (B. A. I. Order 366).¹
- Bureau of Animal Industry. Service and regulatory announcements. (S. R. A.-B. A. I. 373.) May 1938. Pp. 53-64. Price, 5¢ each.²

AGRICULTURAL ADJUSTMENT ADMINISTRATION

- 38-Wheat-1. Wheat storage in the ever-normal granary. 24 p., illus.³
- 38-Wheat-2. Wheat and the Agricultural Adjustment Act of 1938. 8 p.³

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 22, no. 6, June 1, 1938. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign. Beginning July 1938, prices will be 50¢ a year, domestic; 70¢ a year, foreign.²

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Farmers' Bulletins	Leaflets	Other publications

Crops and markets. Vol. 15, no. 5, May 1938. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscription, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations through the United States, 20¢ a month, \$2.40 a year.²

Experiment station record. Vol. 78, no. 6, June 1938. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price, 15¢.²

A technical review of scientific literature pertaining to agriculture.

Extension service review. Vol. 9, no. 6, June 1938. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign. Beginning July 1938, prices will be 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.² *Not distributed free to individuals.*

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

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A-179. (In vol. 56, no. 3.) The comparative value of cod-liver oil alone and in combination with irradiated ergosterol as a source of vitamin D for confined laying hens. Ralph B. Nestler.

A-180. (In vol. 56, no. 3.) Resistance of chicken embryos to mechanical disturbances. Marlow W. Olsen and Theodore C. Byerly.

Ark.-23. (In vol. 56, no. 4.) Life span and morphology of fire blight bacteria as influenced by relative humidity, temperature, and nutrition. H. R. Rosen.

Calif.-93. (In vol. 56, no. 2.) Use of dilatometer in measuring the extent of freezing in ice cream and related products. Wilford C. Cole.

Calif.-95. (In vol. 56, no. 5.) The influence of various factors on egg production in turkeys. V. S. Asmundson.

F-86. (In vol. 56, no. 4.) Factors influencing the discovery of forest fires by lookout observers. Charles C. Buck.

Fla.-21. (In vol. 56, no. 4.) A portable instrument for the analysis of hydrocyanic acid gas-air mixtures. R. J. Wilmot and T. N. Gautier.

G-1071. (In vol. 55, no. 11.) Production of synthetic mycorrhiza in the cultivated cranberry. Henry F. Bain.

G-1072. (In vol. 56, no. 5.) Hopi cotton, a variable species. H. J. Fulton.

G-1079. (In Vol. 56, no. 3.) Inheritance of resistance to loose and covered smuts in Markton oat hybrids. George M. Reed and T. R. Stanton.

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- G-1082. (In vol. 56, no. 3.) Chromosomes of maize from North American Indians. A. E. Longley.
G-1083. (In vol. 56, no. 3.) Establishment and spread of molds and bacteria on cotton roots by seed and seedling inoculation. Marie B. Morrow, James L. Roberts, James E. Adams, H. V. Jordan, and Paul Guest.
G-1084. (In vol. 56, no. 5.) Oxidase and catalase activity of Bartlett pears in relation to maturity and storage. Boyce D. Ezell and Fisk Gerhardt.
G-1086. (In vol. 56, no. 5.) Respiration and oxidase and catalase activity of apple and pear fruits. Boyce D. Ezell and Fisk Gerhardt.
Ill.-66. (In vol. 56, no. 4.) Fungus growth in shelled corn as affected by moisture. Benjamin Koehler.
K-291. (In vol. 56, no. 4.) Mechanographic method of recording insect cardiac activity, with reference to effect of nicotine on isolated heart preparations of *Periplaneta americana*. J. Franklin Yeager.
K-293. (In vol. 56, no. 4.) The toxicity of phenothiazine and some of its oxidation products, in experiments with *Carassius auratus*. W. A. Gersdorff and H. V. Claborn.
Kans.-84. (In vol. 56, no. 3.) The vitamin A value of colostrum and milk of four cows determined by the single-feeding method. M. M. Kramer, Margaret D. Bair, Bernice L. Kunerth, and W. H. Riddell.
Kans.-85. (In vol. 56, no. 3.) Vitamin G (riboflavin) content of colostrum and milk of cows determined biologically. M. M. Kramer, Inez Gardner, Bernice L. Kunerth, and W. H. Riddell.
Mass.-48. (In vol. 56, no. 4.) Some correlations in plant-tissue composition, decomposition products, and effect upon crop rotation with tobacco. Walter S. Eisenmenger.

Journal of agricultural research. Vol. 56, no. 8, April 15, 1938; no. 10, May 15, 1938; no. 11, June 1, 1938.

Land policy review. Vol. 1, no. 1. May-June 1938. Price, 5¢ a copy; 25¢ a year, domestic.²

Gives information on current developments in land policy and land programs to workers of the Department of Agriculture and cooperating groups.

Monthly weather review. Vol. 66, no. 3, March 1938. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign. Beginning July 1938, prices will be 20¢ a copy; \$2.00 a year, domestic; \$2.75 a year, foreign.² Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 19, no. 4, June 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.²

Makes available to road builders the results of investigations relating to the physical and economic problems of road building.

Soil conservation. Vol. 3, no. 12, June 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.40 a year, foreign.²

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 22-26, May 31-June 28, 1938. Price, 50¢ a year, domestic; \$1 a year, foreign.²

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

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MONTHLY LIST OF PUBLICATIONS

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FARMERS' BULLETINS

- Currants and gooseberries: Their culture and relation to white pine blister rust. George M. Darrow and S. B. Detweiler, Bureau of Plant Industry. With contributions by others. 42 p., illus. (F. B. 1398F., rev.) Price, 5¢.
- Care and management of dairy cows. T. E. Woodward, J. R. Dawson, and F. W. Miller, Bureau of Dairy Industry. 41 p., illus. (F. B. 1470F., rev.) Price, 5¢.
- Culture and pests of field peas. Roland McKee and H. A. Schoth, Bureau of Plant Industry. 16 p., illus. (F. B. 1803F.) Price, 5¢.

LEAFLETS

- Why red clover fails. E. A. Hollowell, Bureau of Plant Industry. 8 p., illus. (Leaf. 110L., rev.) Price, 5¢.
- Planting southern pines. Philip C. Wakeley, Forest Service. 8 p. illus. (Leaf. 159L.) Price, 5¢.
- Crimson clover. E. A. Hollowell, Bureau of Plant Industry. 8 p., illus. (Leaf. 160L.) Price, 5¢.

TECHNICAL BULLETINS

- Selenium occurrence in certain soils in the United States with a discussion of related topics: Third report. Horace G. Byers, John T. Miller, K. T. Williams, and H. W. Lakin, Bureau of Chemistry and Soils. 75 p., illus. (T. B. 601T.) Price, 15¢.
- Occurrence of the beet leafhopper and associated insects on secondary plant successions in southern Idaho. D. E. Fox, Bureau of Entomology and Plant Quarantine. 44 p., illus. (T. B. 607T.) Price, 10¢.
- Chemical and physical properties of certain soils developed from granitic materials in New England and the Piedmont and of their colloids. Irvin C. Brown and Horace G. Byers, Bureau of Chemistry and Soils. 56 p. (T. B. 609T.) Price, 10¢.
- The reproductive cycle of the coyote. G. W. D. Hamlett, Bureau of Biological Survey. 12 p., illus. (T. B. 616T.) Price, 10¢.
- Conservation and use of soil moisture at Mandan, N. Dak. J. C. Thysell, Bureau of Plant Industry. 40 p., illus. (T. B. 617T.) Price, 10¢.
- Genetic relations of some color factors in lettuce. Ross C. Thompson, Bureau of Plant Industry. 38 p., illus. (T. B. 620T.) Price, 20¢.
- Shrinkage and dressing yields of hogs. Knute Bjorka, Bureau of Agricultural Economics. 22 p., illus. (T. B. 621T.) Price, 5¢.
- Stumpage prices of privately owned timber in the United States. Henry B. Steer, Forest Service. 163 p., illus. (T. B. 626T.) Price, 20¢.

CIRCULARS

- Performance characteristics of 5- and 6-foot combines. W. M. Hurst and W. R. Humphries, Bureau of Agricultural Engineering. 36 p., illus. (Cir. 470C.) Price, 10¢.
- Comparative value of mature sows and gilts for producing market hogs. E. Z. Russell and R. E. Hutton, Bureau of Animal Industry. 22 p., illus. (Cir. 472C.) Price, 5¢.
- Variety studies in relation to fusarium wilt of peas. B. L. Wade, W. J. Zaumeyer, and L. L. Harter, Bureau of Plant Industry. 27 p., illus. (Cir. 473C.) Price, 5¢.
- Marketing the late crop of potatoes. J. W. Park, Bureau of Agricultural Economics. 67 p., illus. (Cir. 475C.) Price, 10¢.
- Selection, installation, finish, and maintenance of wood floors for dwellings. R. K. Helphenstine, Jr., Forest Service. 27 p., illus. (Cir. 489C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

- The distribution of important forest trees of the United States. E. N. Munns, Forest Service. 176 p., illus. (M. P. 287M.) Price, 35¢.
- The Forest Products Laboratory. A brief account of its work and aims. Forest Service. 33 p., illus. (M. P. 306M.) Price, 15¢.
- Knots in second-growth pine and the desirability of pruning. Benson H. Paul, Forest Service. 36 p., illus. (M. P. 307M.) Price, 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

- Regulations governing the recognition of breeds and books of record of purebred animals. Effective on and after July 15, 1938. Bureau of Animal Industry. 8 p. (B. A. I. Order 365.)¹
- Regulations governing the appraisalment of and compensation for tuberculous, paratuberculous, and Bang's disease reacting cattle condemned and destroyed in the control and eradication of tuberculosis, paratuberculosis, and Bang's disease of animals. Effective on and after July 1, 1938. 3 p. Bureau of Animal Industry. (B. A. I. Order 367.)¹
- Revised rules and regulations governing the movement of plants and plant products into and out of the District of Columbia. Effective April 30, 1938. Bureau of Entomology and Plant Quarantine. 4 p. (B. E. P. Q.-D. C. Regs.)¹
- White-pine blister rust quarantine. Quarantine no. 63. Revision of regulations. Effective July 1, 1938. Bureau of Entomology and Plant Quarantine. 6 p. (B. E. P. Q.-63.)¹
- Bureau of Entomology and Plant Quarantine. Service and regulatory announcements. January-March 1938. 37 p. (S. R. A.-B. E. P. Q. No. 124)¹

AGRICULTURAL ADJUSTMENT ADMINISTRATION

- 38-Corn-2. Corn storage in the ever-normal granary. 28 p., illus.²
- 38-Cotton-3. Foreign cotton production and U. S. cotton policies. 11 p., illus.²

¹ These may be obtained from the issuing bureau.

² These may be obtained free upon application to the Agricultural Adjustment Administration.

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Farmers' Bulletins	Leaflets	Other publications

OTHER PUBLICATIONS

- Highway accidents, their causes and recommendations for their prevention. Bureau of Public Roads. 38 p. Price, 10¢.
- Plant material introduced by the Division of Plant Exploration and Introduction, Bureau of Plant Industry, October 1 to December 31, 1934 (Nos. 106561-107747. 56 p. (B. P. I. Inv. 121). Price, 5¢.
- Regulations relating to game, land fur animals, and birds in Alaska, 1938-39. Alaska Game Commission. 32 p. (Alaska G. C. Cir. 15.) Price, 10¢.
- The Ohio and Mississippi River floods of January-February 1937. Bennett Swenson, Weather Bureau. Monthly Weather Review, supp. no. 37. (W. B. 1229WB). Price, 20¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

- Agricultural situation. Vol. 22, no. 7, July 1, 1938. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.³
- A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.
- Crops and markets. Vol. 15, no. 6, June 1938. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.³
- Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.
- Daily weather maps. Limited editions. Not for general distribution.
- Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscription, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations through the United States, 20¢ a month, \$2.40 a year.³
- Experiment station record. Vol. 77, index number. Price, 15¢. Vol. 79, no. 1-2, July-August 1938. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price, 15¢.³
- A technical review of scientific literature pertaining to agriculture.
- Extension service review. Vol. 9, no. 7, July 1938. Illus. Price, 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.³
- Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

³ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign. **Not distributed free to individuals.**

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

- A-181. (In vol. 56, no. 6.) Correlation of body measurements of slaughter steers with rate and efficiency of gain and with certain carcass characteristics. W. H. Black, Bladford Knapp, Jr., and A. C. Cook.
Calif.-96. (In vol. 56, no. 7.) A mosaic disease of Chinese cabbage. C. M. Tompkins and H. Rex Thomas.
G-1085. (In vol. 56, no. 5.) A comparative study of an early, a medium, and a late strain of timothy, harvested at various stages of development. Morgan W. Evans and Lloyd E. Thatcher.
G-1087. (In vol. 56, no. 7.) Spotting of figs on the market. Charles Brooks and L. P. McColloch.
G-1088. (In vol. 56, no. 6.) Quality studies in the wheat-breeding program at the Minnesota Agricultural Experiment Station. E. R. Ausemus, M. C. Markley, C. H. Bailey, and H. K. Hayes.
G-1089. (In vol. 56, no. 7.) Effect of low concentrations of copper on germination and growth of conidia of *Sclerotinia fructicola* and *Glomerella cinquolata*. M. C. Goldsworthy and E. L. Green.
G-1090. (In vol. 56, no. 7.) The origin of lint and fuzz hairs of cotton. A. G. Lang.
Ga.-10. (In vol. 56, no. 5.) Two fungi causing leaf spot of peanut. Wilbert A. Jenkins.
K-292. (In vol. 56, no. 7.) *Rogas unicolor* (Wesm.), a braconid parasite of the satin moth. Philip B. Dowden.
K-294. (In vol. 56, no. 7.) Transmission of sugarcane mosaic by the green bug (*Toxoptera graminum* Rond. J. W. Ingram and E. M. Summers.
Minn.-103. (In vol. 56, no. 6.) Studies on longevity and productivity in *Trichogramma evanescens*. Horace O. Lund.
Minn.-104. (In vol. 56, no. 6.) Meiotic instability as an inherited character in varieties of *Triticum aestivum*. W. M. Myers and LeRoy Powers.

Journal of agricultural research. Vol. 56, no. 12, June 15, 1938; vol. 57, no. 1, July 1, 1938.

Monthly weather review. Vol. 66, no. 4, April 1938. Illus. Price, 20¢ a copy; \$2.00 a year, domestic; \$2.75 a year, foreign. Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 19, no. 5, July 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.³

Makes available to road builders the results of investigations relating to the physical and economic problems of road building.

Soil conservation. Vol. 4, no. 1, July 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.40 a year, foreign.³

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 27-30. July 5-26, 1938. Price, 50¢ a year, domestic; \$1 a year, foreign.³

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

³ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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United States Department of Agriculture
MONTHLY LIST OF PUBLICATIONS

AUGUST 1938

Any five of the nontechnical publications listed herein, unless indicated "For sale only," may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

- Preparation of cabbage for market. Raymond L. Spangler, Bureau of Agricultural Economics. 18 p., illus. (F. B. 1423F., rev.) Price, 5¢
- Grading wool. James W. Christie, Bureau of Agricultural Economics. 24 p., illus. (F. B. 1805F.) Price, 5¢.

TECHNICAL BULLETINS

- Studies of potato storage houses in Maine. A. D. Edgar, Bureau of Agricultural Engineering. 47 p., illus. (T. B. 615T.) Price, 10¢.
- Removal of lead spray residues from apples grown in the Shenandoah-Cumberland Valley. M. H. Haller, Bureau of Plant Industry; C. C. Cassil and C. W. Murray, Bureau of Entomology and Plant Quarantine; J. H. Beaumont, Maryland Agricultural Experiment Station; and Edwin Gould, West Virginia Agricultural Experiment Station. 32 p., illus. (T. B. 622T.) Price, 10¢.
- Stickiness and spotting of shelled green lima beans. Charles Brooks and L. McCulloch, Bureau of Plant Industry. 24 p., illus. (T. B. 625T.) Price, 5¢.
- Communicability of infectious abortion between swine and cattle. W. E. Cotton, J. M. Buck, and H. E. Smith, Bureau of Animal Industry. 8 p. (T. B. 629T.) Price, 5¢.

CIRCULARS

- Forests and employment in Germany. W. N. Sparhawk, Forest Service. 52 p. (Cir. 471C.) Price, 10¢.
- Evaluation of sugar-beet types in certain sugar-beet-growing districts in the United States. A. W. Skuderna, F. R. Immer, C. E. Cormany, H. E. Brewbaker, C. A. Lavis, J. G. Lill, Charles Price, J. O. Culbertson, and G. W. Deming, Bureau of Plant Industry. 28 p. (Cir. 476C.) Price, 5¢.
- Winter wheat and sorghum production in the southern Great Plains under limited rainfall. O. R. Mathews, and Lindsey A. Brown, Bureau of Plant Industry. 60 p. (Cir. 477C.) Price, 10¢.
- Surface run-off and erosion on granitic mountain soils of Idaho as influenced by range cover, soil disturbance, slope, and precipitation intensity. George W. Craddock and C. Kenneth Pearse, Forest Service. 24 p., illus. (Cir. 482C.) Price, 5¢.
- Effect of date of harvest on yield and milling quantity of rice. W. D. Smith, J. J. Deffes, and C. H. Bennett, Bureau of Agricultural Economics; C. Roy Adair and H. M. Beachell, Bureau of Plant Industry. 20 p., illus. (Cir. 484C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

- Market diseases of fruits and vegetables: Crucifers and cucurbits. Glen B. Ramsey, James S. Wiant, and George K. K. Link, Bureau of Plant Industry. 74 p., illus. (M. P. 292M.) Price, 45¢.
- Famous trees. Charles E. Randall and D. Priscilla Edgerton, Forest Service. 116 p., illus. (M. P. 295M.) Price, 15¢.
- The horseflies of the subfamily Tabaninae of the Neartic region. Alan Stone, Bureau of Entomology and Plant Quarantine. 172 p., illus. (M. P. 305M.) Price, 20¢.

Improving poultry through the national poultry improvement plan. Paul B. Zumbro, Melvin W. Buster, and J. D. Sykes, Bureau of Animal Industry. 9 p., illus. (M. P. 317M.) Price, 5¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Bureau of Animal Industry. Service and regulatory announcements. June 1938. Pp. 67-79. (S. R. A.-B. A. I. 374.) Price, 5¢.¹

Regulations for carrying out the Federal aid to Wildlife Restoration Act and text of the law. Service and regulatory announcement. Bureau of Biological Survey. 6 p. (S. R. A.-B. S. 91.)²

Regulations relating to migratory birds and certain game mammals: 1938. Service and regulatory announcements. Bureau of Biological Survey. 12 p. (S. R. A.-B. S. 92.)²

Modification of cotton regulations. Amendment no. 4 of rules and regulations governing the importation of cotton and cotton wrappings into the United States. Effective on and after July 1, 1938. Bureau of Entomology and Plant Quarantine. 2 p. (B. E. P. Q.-Cotton regs.)²

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 443-468. (N. J., F. D. 27926-28000); pp. 1-67. (N. J., F. D. 28001-28200.)²

Regulations for the enforcement of the Naval Stores Act. Service and regulatory announcements. Food and Drug Administration. Naval Stores No. 1. 15 p. (S. R. A., N. S. No. 1.)²

SOIL SURVEYS

Alabama, Wilcox County. (No. 26, series 1932.) 60 p., illus. Price, 40¢.

Kansas, Kingman County. (No. 24, series 1932.) 35 p., illus. Price, 45¢.

Nebraska, Gosper County. (No. 8, series 1934.) 27 p., illus. Price, 40¢.

Ohio, Licking County. (No. 48, series 1930.) 57 p., illus. Price, 45¢.

Oklahoma, Carter County. (No. 18, series 1933.) 33 p., illus. Price, 35¢.

Pennsylvania, Wayne County. (No. 25, series 1932.) 31 p., illus. Price, 35¢.

Virginia, Halifax County. (No. 5, series 1934.) 56 p., illus. Price, 40¢.

OTHER PUBLICATIONS

Crop insurance for wheat growers. Federal Crop Insurance Corporation. 4 p. (No. 1, General Information Series.)²

Economic justification for certain salient provisions of the regulations, application, and policy for wheat crop insurance with a brief history of the program and a brief outline of the general plan of operation. Federal Crop Insurance Corporation. 20 p. (No. 2, General Information Series.)²

How to care for wild meat. Forest Service. [4 p.] Folder.²

Instructions on signatures and authorizations relating to the Federal crop insurance program. Issued May 26, 1938. Federal Crop Insurance Corporation. (FCI-27.) 6 p.²

Report on the agricultural experiment stations, 1937. J. T. Jardine and W. H. Beal. 226 p. Price, 25¢.

Southeastern Idaho land utilization project. 4 p., illus.²

REPRINTS FROM 1937 YEARBOOK

1596. Improvement in soybeans. Pp. 1154-1189, illus. Price, 10¢.

1597. Clover improvement. Pp. 1190-1214, illus. Price, 5¢.

1598. Varietal improvement in hops. Pp. 1215-1242, illus. Price, 5¢.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

² These may be obtained from the issuing bureau.

Indicate below, by numbers **IN NUMERICAL ORDER**, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publications. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other Publications

1599. Improvement of forest trees. Pp. 1242-1279, illus. Price, 10¢.

1600. Breeding goats. Pp. 1280-1314, illus. Price, 10¢.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

SR Leaflet No. 203. Better farming in the southeastern States through the 1938 A. A. A. program. 7 p.³

DM-6. New York milk. 13 p.³

DM-7. Questions and answers on the Federal-State milk program for New York. 4 p.³

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 22, no. 8, August 1938. Price, 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.¹

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Crops and markets. Vol. 14, Index, 1937; vol. 15, no. 7, July 1938. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.¹

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only 50¢ a year. Foreign subscription, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations through the United States, 20¢ a month, \$2.40 a year.¹

Extension service review. Vol. 9, no. 8, August 1938. Illus. Price, 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.¹ **Not distributed free to individuals.**

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

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A-182. (In vol. 56, no. 11.) Toxicity of selenium fed to swine in the form of sodium selenite. W. T. Miller and H. W. Schoening.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

³ These may be obtained free upon application to the Agricultural Adjustment Administration.

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Journal of agricultural research—Continued.

- Calif.-94. (In vol. 56, no. 8.) Determining the sclerotial population of *Sclerotium rolfsii* by soil analysis and predicting losses of sugar beets on the basis of these analyses. L. D. Leach and A. E. Davey.
- E-72. (In vol. 56, no. 10.) A measure of toxicity in plant studies. Philip L. Gile.
- Ga.-11. (In vol. 56, no. 6.) A morphological study of flower and seed development in pepper. H. L. Cochran.
- Minn.-105. (In vol. 56, no. 10.) Directional permeability of seasoned woods to water and some factors which affect it. Harvey D. Erickson, Henry Schmitz, and R. A. Gortner.
- N. C.-34. (In vol. 56, no. 12.) A critical evaluation of the rat-growth method for determining vitamin B and its content in meals from certain oily seeds. F. W. Sherwood and J. O. Halverson.
- Okla.-26. (In vol. 56, no. 9.) Sorghum characters grouped by multiple correlations. J. C. Ireland.
- R. I.-5. (In vol. 56, no. 12.) The effect of the X factor, of sodium chloride and of the composition of the nutrient media upon the growth of the fowl coryza bacillus, *Hemophilus gallinarum*. J. P. Delaplane, L. E. Erwin, and H. O. Stuart.
- Tex.-18. (In vol. 56, no. 8.) Evaluation of some soil fungicides by laboratory tests with *Phymatotrichum omnivorum*. Walter N. Ezekiel.
- Tex.-19. (In vol. 56, no. 8.) Tests with pentachlorethane, tetrachlorethane, and xylol to determine their efficiency in eradication of phymatotrichum root rot in the field. Walter N. Ezekiel.
- Tex.-20. (In vol. 56, no. 10.) Studies on the cause of immunity of monocotyledonous plants to phymatotrichum root rot. Walter N. Ezekiel and J. F. Fudge.
- Wis.-93. (In vol. 56, no. 8.) A cytological study of host-parasite relations of *Venturia inaequalis* on apple leaves. Charles J. Nusbaum and G. W. Keitt.

Journal of agricultural research. Vol. 57, no. 2, July 15; no. 3, August 1, 1938.

Land policy review. Vol. 1, no. 2, July-August 1938. Price, 5¢ a copy; 25¢ a year, domestic.²

Gives information on current developments in land policy and land programs to workers of the Department of Agriculture and cooperating groups.

Monthly weather review. Vol. 66, no. 5, May 1938. Illus. Price, 20¢ a copy; \$2.00 a year, domestic; \$2.75 a year, foreign.¹ Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 18, Index, March 1937-February 1938; vol. 19, no. 6, August 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

Makes available to road builders the results of investigations relating to the physical and economic problems of road building.

Soil conservation. Vol. 3, Index, July 1937-June 1938; vol. 4, no. 2, August 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.40 a year, foreign.¹

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 31-34. August 2-23, 1938. Price, 50¢ a year, domestic; \$1 a year, foreign.¹

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

² These may be obtained from the issuing bureau.

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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

SEPTEMBER 1938

U. S. Department of Agriculture

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Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

- Tuberculosis of hogs. John R. Mohler and Henry J. Washburn, Bureau of Animal Industry. 14 p., illus. (F. B. 781F., rev.) Price, 5¢.
- Modernizing cotton gins. Charles A. Bennett, T. L. Baggette, Bureau of Agricultural Engineering, and F. L. Gerdes, Bureau of Agricultural Economics. 52 p., illus. (F. B. 1802F.) Price, 10¢.
- Community buildings for farm families. Blanche Halbert, Bureau of Agricultural Economics and Farm Security Administration. 41 p., illus. (F. B. 1804F.) Price, 10¢.
- Lamb and mutton on the farm. K. F. Warner, Bureau of Animal Industry. 25 p., illus. (F. B. 1807F.) Price, 5¢.

LEAFLETS

- Legumes in soil conservation practices. A. J. Pieters, Soil Conservation Service. 8 p., illus. (Leaf. 163L.) Price, 5¢.

TECHNICAL BULLETINS

- Biological studies on the leafhopper *Empoasca fabae* as a bean pest. Dwight M. DeLong, Bureau of Entomology and Plant Quarantine. 60 p., illus. (T. B. 618T.) Price, 10¢.
- Fumigation of baled cotton with hydrocyanic acid for the pink bollworm. A. C. Johnson, George G. Becker, and Lon A. Hawkins, Bureau of Entomology and Plant Quarantine. 46 p., illus. (T. B. 623T.) Price, 10¢.
- Studies on the epidemiology of curly top in southern Idaho, with special reference to sugar beets and weed hosts of the vector *Eutettix tenellus*. James M. Wallace and Albert M. Murphy, Bureau of Plant Industry. 47 p., illus. (T. B. 624T.) Price, 10¢.
- Body icing in transit refrigeration of vegetables. E. D. Mallison and W. T. Pentzer, Bureau of Plant Industry. 42 p., illus. (T. B. 627T.) Price, 10¢.
- Effect of supplementing winter and summer range on gains of steers in the northern Great Plains. W. H. Black and V. I. Clark, Bureau of Animal Industry. 16 p., illus. (T. B. 628T.) Price, 5¢.

CIRCULARS

- Agricultural investigations at the United States Field Station, Sacaton, Ariz., 1931-35. C. J. King, R. E. Beckett, and Orlan Parker, Bureau of Plant Industry. 64 p., illus. (Cir. 479C.) Price, 10¢.
- Food consumption of children at the National Child Research Center. Helen Nebeker Hann and Hazel K. Stiebeling, Bureau of Home Economics. 34 p. (Cir. 481C.) Price, 10¢.
- Proposed minimum requirements of 3 types of upholstery fabrics based on the analysis of 62 materials. Bess Viemont Morrison and Margaret B. Hays, Bureau of Home Economics. 28 p., illus. (Cir. 483C.) Price, 5¢.
- Tetrastichus brevistigma* Gahan, a pupal parasite of the elm leaf beetle. P. A. Berry, Bureau of Entomology and Plant Quarantine. 12 p., illus. (Cir. 485C.) Price, 5¢.
- Selecting fertilizers. Albert R. Merz, Bureau of Chemistry and Soils. 16 p., illus. (Cir. 487C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

- Federal legislation, regulations, and rulings affecting cooperative extension work in agriculture and home economics. 32 p. (M. P. 285M, rev.) Price, 5¢.
- Changes in the National Poultry Improvement Plan. Bureau of Animal Industry. Supplement to M. P. 300M. 1 p.¹
- Native woody plants of the United States, their erosion-control and wildlife values. William R. Van Dersal, Soil Conservation Service. 362 p., illus. (M. P. 303M.) Price, \$1.75 (Buckram.) For sale only.
- Forest resources of the north-Louisiana delta. R. K. Winters, J. A. Putnam, I. F. Eldredge, and P. R. Wheeler, Forest Service. 49 p., illus. (M. P. 309M.) Price, 10¢.
- To hold this soil. Russell Lord, Soil Conservation Service. 123 p., illus. (M. P. 321M.) Price, 45¢. Free distribution restricted to workers in Department of Agriculture, cooperating agencies, libraries, and schools.

SERVICE AND REGULATORY ANNOUNCEMENTS

- Regulations for cotton warehouses, originally approved April 27, 1931. Regulations of the Secretary of Agriculture under the United States Warehouse Act of August 11, 1936, as amended. Reissued August 1938, with amendments to date. Service and regulatory announcements. Bureau of Agricultural Economics. 24 p. (S. R. A., B. A. E. 126, rev.)¹
- Regulations governing the appraisalment of and compensation for tuberculous, paratuberculous, and Bang's disease reacting cattle condemned and destroyed in the control and eradication of tuberculosis, paratuberculosis, and Bang's disease of animals. Amendment 1. Effective on and after August 17, 1938. Bureau of Animal Industry. 1 p. (B. A. I. Order 367, amdt. 1.)¹
- Bureau of Animal Industry. Service and regulatory announcements. July 1938. Pp. 81-95. (S. R. A.—B. A. I. 375); August 1938. Pp. 97-110. (S. R. A.—B. A. I. 376.) Price, 5¢ each.
- Bureau of Entomology and Plant Quarantine. Index to service and regulatory announcements, 1937. 4 p. (S. R. A.—B. E. P. Q. Index, 1937.)¹
- Bureau of Entomology and Plant Quarantine. Service and regulatory announcements, 1937, table of contents with list of plant pests intercepted with imported plants and plant products. 5 p. (S. R. A., B. E. P. Q.)¹
- Bureau of Entomology and Plant Quarantine. Service and regulatory announcements. April-June 1938. Pp. 39-73. (S. R. A.—B. E. P. Q. No. 135.)¹
- Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 69-102. (N. J., F. D. 28201-28300); pp. 103-151. (N. J., F. D. 28301-28375); pp. 153-205. (N. J., F. D. 28376-28525); pp. 207-275. (N. J., F. D. 28526-28675).¹

SOIL SURVEYS

- Alabama, Dallas County. (No. 22, series 1932.) 54 p., illus. Price, 40¢.
- Michigan, Saginaw County. (No. 19, series 1933.) 53 p., illus. Price, 40¢.
- Mississippi, Marion County. (No. 6, series 1934.) 40 p., illus. Price, 30¢.
- Nebraska, Brown County. (No. 20, series 1933.) 49 p., illus. Price, 40¢.
- Nebraska, Holt County. (No. 27, series 1932.) 38 p., illus. Price, 60¢.
- New York, Onondaga County. (No. 7, series 1934.) 78 p., illus. Price, 45¢.
- Ohio, Vinton County. (No. 21, series 1933.) 28 p., illus. Price, 45¢.
- Oklahoma, Woodward County. (No. 28, series 1932.) 42 p., illus. Price, 45¢.

OTHER PUBLICATIONS

- Agricultural statistics, 1938. 544 p. Price, 55¢. (Paper covers.)
- Anchoring farmlands in the Ohio Valley region. J. S. Cutler, Soil Conservation Service. 20 p., illus. Revised. Price, 5¢.
- Cloud forms according to the international system of classification. Third edition. Weather Bureau. 8 p., illus. (W. B. 956W., rev.) Price, 10¢. For sale only.
- Directory of the Bureau of Animal Industry. July 1, 1938. 76 p.¹

¹ These may be obtained from the issuing bureau.

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Farmers' Bulletins	Leaflets	Other Publications

Dry skim milk. Bureau of Home Economics. [Folder.] 8 p. Price, 5¢.
Federal laws relating to wildlife in Alaska. Alaska Game Commission. 12 p.
(Alaska G. C. Cir. 16.) Price, 5¢. For sale only.
Soils and Men. Yearbook of agriculture 1938. 1232 p., illus. For sale only.
Price, \$1.75 (vellum).
The Dixon Springs Land Utilization Project. Bureau of Agricultural Economics.
4 p., illus.¹
United States meteorological yearbook 1936. Weather Bureau. 160 p., illus.
Price, 30¢ (paper). For sale only.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

NER-306. The 1939 wheat program in the northeast region. 4 p.³
G-88. Farmers and the surplus problem. 16 p.³
G-87. Agricultural programs and the processing tax. 10 p.³
38-Cotton-4. The no-control cotton plan. 15 p.³
38-Corn-3. The A. A. A. corn plan. 6 p. [Folder.]³
38-Wheat-3. Protection for wheat incomes. 6 p. [Folder.]³

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 22, no. 9, September 1, 1938. Price, 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.²

Crops and markets. Vol. 15, no. 8, August 1938. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 20¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscription, \$7.25 a year. Maps DD, E. and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.²

Experiment station record. Vol. 79, no. 3, September; no. 4, October 1938. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price, 15¢.²

Extension service review. Vol. 9, no. 9, September 1938. Illus. Price, 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.²

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.² *Not distributed free to individuals.*

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

³ These may be obtained free upon application to the Agricultural Adjustment Administration.

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Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

- A-183. (In vol. 56, no. 11.) Effect of percentage of protein in the diet on growth and feed utilization of male chickens. John C. Hammond, Walter A. Hendricks, and Harry W. Titus.
- A-185. (In vol. 57, no. 2.) Preservation of cyanogenetic plants for chemical analysis. Reinhold R. Briese and James F. Couch.
- E-73. (In vol. 57, no. 1.) Effect of different soil colloids and whole soils on the toxicity of sodium selenate to millet. Philip L. Gile, Hubert W. Lakin, and Horace G. Byers.
- G-1091. (In vol. 56, no. 10.) A streak disease of peas and its relation to several strains of alfalfa mosaic virus. W. J. Zaumeyer.
- G-1092. (In vol. 56, no. 12.) Influence of certain environmental conditions on congestion of starch in tomato plant stems. Arthur C. Foster and Everett C. Tatman.
- G-1094. (In vol. 56, no. 12.) Mosaic of lima beans (*Phaseolus lunatus macrocarpus*). L. L. Harter.
- G-1095. (In vol. 56, no. 12.) Studies of selected strains of curly top virus. N. J. Giddings.
- G-1096. (In vol. 57, no. 1.) Variability in germination of freshly harvested *Avena*. F. A. Coffman and T. R. Stanton.
- G-1097. (In vol. 57, no. 2.) Cytology of twin cotton plants. J. M. Webber.
- Ill.-67. (In vol. 56, no. 11.) Energy requirements of swine and estimates of heat production and gaseous exchange for use in planning the ventilation of hog houses. H. H. Mitchell and M. A. R. Kelley.
- Iowa-28. (In vol. 56, no. 12.) The control of dandelions in lawns. W. E. Loomis.
- Kans.-86. (In vol. 56, no. 9.) Studies on the physiology and inheritance of feathering in the growing chick. M. H. Radi and D. C. Warren.
- Minn.-106. (In vol. 56, no. 11.) The measurement and inheritance of scab resistance in selfed and hybrid progenies of potatoes. J. G. Leach, F. A. Kranz, Phares Decker, and Harold Mattson.
- Minn.-107. (In vol. 57, no. 3.) Moisture movement in wood above the fiber-saturation point. Louis W. Rees and Stanley J. Buckman.
- S-1. (In vol. 56, no. 12.) Sand dunes of recent origin in the southern Great Plains. Charles J. Whitfield.
- Wis.-92. (In vol. 56, no. 9.) The effects of temperature and other environmental factors upon the photoperiodic responses of some of the higher plants. R. H. Roberts and B. Esther Struckmeyer.
- Wis.-95. (In vol. 57, no. 2.) Relation of bitterness to the toxic principle in sweet-clover. William K. Smith and R. A. Brink.

Journal of agricultural research. Vol. 57, no. 4, August 15; no. 5, September 1, 1938.

Monthly weather review. Vol. 66, no. 6, June 1938. Illus. Price, 20¢ a copy; \$2.00 a year, domestic; \$2.75 a year, foreign.² Not for general distribution.

Public roads. Vol. 19, no. 7, September 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.²

Soil conservation. Vol. 4, no. 3, September 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.40 a year, foreign.²

Weekly weather and crop bulletin. Nos. 35-39, August 30-September 27, 1938. Price, 50¢ a year, domestic; \$1 a year, foreign.²

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

OCTOBER 1938

Any five of the nontechnical publications listed herein, unless indicated "For sale only," may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Karakul sheep. C. G. Potts and V. L. Simmons, Bureau of Animal Industry. 13 p., illus. (F. B. 1632F., rev.) Price, 5¢.

Rice culture in the southern States. Jenkin W. Jones, and J. Mitchell Jenkins, Bureau of Plant Industry; and R. H. Wyche, Texas Agricultural Substation No. 4; and Martin Nelson, University of Arkansas. 29 p., illus. (F. B. 1808F.) Price, 5¢.

This bulletin describes in detail the culture of rice, the principal cash cereal crop grown on the prairies of southwestern Louisiana, southeastern Texas, and on the Grand Prairie of eastern Arkansas.

Soil defense in the South. E. M. Rowalt, Soil Conservation Service. 64 p., illus. (F. B. 1809F.) Price, 10¢.

The subject matter in this bulletin is based largely on the soil conservation practices employed by farmers who live within the various project areas of the Soil Conservation Service in this section of the cotton country.

Control of insects attacking grain in farm storage. R. T. Cotton, Bureau of Entomology and Plant Quarantine. 14 p., illus. (F. B. 1811F.) Price, 5¢.

Grain that has become infested with any species of insect should be fumigated as soon as possible.

This bulletin tells about the different kinds of fumigants, their cost, and how they should be used.

Grading dressed turkeys. Thomas W. Heitz, Bureau of Agricultural Economics. 36 p., illus. (F. B. 1815F.) Price, 5¢.

How to grade according to Government standards can be learned by any producer who makes a thorough study of the grade factors involved. This bulletin attempts to point out by description and illustration the most important of these factors.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Porcupine control in the Western States. Bureau of Biological Survey. 8 p., illus. (Leaf. 60L., rev.) Price, 5¢.

Erosion on roads and adjacent lands. Arnold M. Davis. Soil Conservation Service. 8 p., illus. (Leaf. 164L.) Price, 5¢.

The county and township roads have been neglected in the work of erosion control. This bulletin describes the cooperative work now going on to remedy the situation.

Soil-depleting, soil-conserving, and soil-building crops. A. J. Pieters, Soil Conservation Service. 8 p., illus. (Leaf. 165L.) Price, 5¢.

This report sets forth the use of proper crops, proper rotations, and applications of lime and minerals where necessary. It describes antierosion practices to conserve our soil so as to prevent the steady decline in yields that has characterized soil-mining practices.

Soybeans for the table. Elizabeth Fuller Whiteman and Ellen Kingsley Keyt, Bureau of Home Economics. 6 p., illus. (Leaf. 166L.) Price, 5¢.

This publication describes the use of soybeans as a new table vegetable and the various uses of its valuable products.

Facts about cotton. Bureau of Agricultural Economics. 8 p., illus. (Leaf. 167L.) Price, 5¢.

Describes cotton production, marketing, and manufacturing, and lists in detail the principal uses of cotton and cottonseed.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Factors affecting establishment of Douglas fir seedings. Leo A. Isaac, Forest Service. 46 p., illus. (Cir. 486C.) Price, 10¢.

The purpose of the study discussed herein is to measure what appear to be the governing environmental factors on typical logged and slash-burned areas in a given locality, and to correlate the resultant measurements with Douglas fir seedling establishment of failure; that is, to determine the causes of the high seedling mortality frequently observed in order that steps may be taken to reduce this loss.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

A graphic summary of agricultural credit. Norman J. Wall and E. J. Engquist, Jr., Bureau of Agricultural Economics. 48 p., illus. (M. P. 268M.) Price, 10¢.

The publications in this series devote attention to economic and social conditions. They are based on both the 1930 and 1935 census reports, as well as the annual estimates of the Bureau of Agricultural Economics. They deal not only with changes between 1930 and 1935 but also with the changes during the decade of urban prosperity and agricultural depression.

Forest resources of northeastern Florida. F. A. Ineson, I. F. Eldredge, M. M. Lahrbas, E. B. Faulks, and P. R. Wheeler, Forest Service. 40 p., illus. (M. P. 313M.) Price, 20¢.

This report is based on a survey conducted between the latter part of November 1933 and the end of July 1934. Data concerning industrial conditions and forest depletion were obtained on all of the naval stores still operations and on a large number of the wood-products industries.

Overhead cleaner-drying systems for seed cotton. Charles A. Bennett, Bureau of Agricultural Engineering, and Charles S. Shaw, Bureau of Agricultural Economics. 20 p., illus. (M. P. 314M.) Price, 5¢.

The air-line cleaner-drier, within certain limitations, has proved satisfactory under test and meets the requirements of the Government process. It and some of the methods of applying hot air to out-of-the-air cleaners are described in this publication.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Regulations governing the appraisalment of and compensation for tuberculous, paratuberculous, and Bang's disease reacting cattle condemned and destroyed in the control and eradication of tuberculosis, paratuberculosis, and Bang's disease of animals. Effective on and after July 1, 1938. Bureau of Animal Industry. 3 p. (B. A. I. Order 367.)¹

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

California, Lodi area. (No. 14, series 1932.) 52 p., illus. Price, 30¢.

Ohio, Adams County. (No. 29, series 1932.) 64 p., illus. Price, 35¢.

OTHER PUBLICATIONS

The Bean Blossom Land Utilization Project. Bureau of Agricultural Economics. 8 p., illus.¹

The Bean Blossom project is a part of a Nation-wide land utilization program, under supervision of the Bureau of Agricultural Economics, to promote the constructive use of land.

The Allegan Land Utilization Project. Bureau of Agricultural Economics. 8 p., illus.¹

The project is a part of a Nation-wide campaign to turn the submarginal areas of the country into assets, to change from progressively deteriorating uses into constructive, upbuilding uses.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

DM-4. The regulation of milk marketing in England and Wales. 75 p.²

DM-8. The Federal-State program for the New York milk market. 16 p.²

G-85-rev. Questions and answers about farm exports and farm imports. 13 p., illus.²

G-89. An American income for cotton. 16 p.²

¹ May be obtained from the issuing bureau.

² These may be obtained free upon application to the Agricultural Adjustment Administration.

Indicate below, by numbers **IN NUMERICAL ORDER**, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to the United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publications. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other Publications

- G-90. An American income for wheat. 13 p.²
PSM-1. The egg-drying industry in the United States. 80 p., illus.²

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 22, no. 10, October 1938. Price, 5¢ a copy ; 50¢ a year, domestic ; 70¢ a year, foreign.³

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Crops and markets. Vol. 15, no. 9, September 1938. Price, 10¢ a copy ; \$1.00 a year, domestic ; \$1.50 a year, foreign.³

Statistics concerning crop and livestock estimates and market information ; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products ; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, \$3 a year ; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only 50¢ a year. Foreign subscription, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations through the United States, 20¢ a month, \$2.40 a year.³

Experiment station record. Vol. 79, no. 5, November 1938. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index ; \$1.75 per volume, foreign. Single numbers for sale only. Price, 15¢.³

A technical review of scientific literature pertaining to agriculture.

Extension service review. Vol. 9, no. 10, October 1938. Illus. Price, 10¢ a copy ; 75¢ a year, domestic ; \$1.15 a year, foreign.³

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Fire control notes. Vol. 2, no. 1. October 1938. Price, 15¢ a copy ; 50¢ a year, domestic.

A quarterly periodical devoted to the technique of fire control. The articles deal with fire research or fire control management ; theory, relationships, prevention, equipment, detection, communication, transportation, cooperation, planning, organization, personnel management, training, fire-fighting methods of reporting, and statistical systems.

Journal of agricultural research. Vol. 56, January 1-June 15, 1938, Index ; vol 57, no. 6, September 15 ; no. 7, October 1, 1938.

Journal of agricultural research. Price, \$3.25 a year, domestic ; \$4.75 a year, foreign. Each issue, 15¢, domestic ; 20¢, foreign. Separates, 5¢, domestic ; 8¢, foreign.¹ *Not distributed free to individuals.*

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

² These may be obtained free upon application to the Agricultural Adjustment Administration.

³ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Journal of Agricultural Research:

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Ark.-24. (In vol. 57, No. 1.) A photoelectric sorter for length measurements of fibers of seed cotton. Burt Johnson.

G-1093. (In vol. 57, No. 1.) Two distinct strains of the nematode *Aphelenchoides fragariae* occurring on strawberry plants in the United States. J. R. Christie.

G-1098. (In vol. 57, No. 2.) Relation of atmospheric conditions to enlargement rate and periodicity of Winesap apples. C. P. Harley and M. P. Masure.

G-1103. (In vol. 57, No. 3.) Effect of neutral salts of sodium and calcium on carbon and nitrogen of soils. V. P. Sokoloff.

I-23. (In vol. 57, No. 2.) The solubility of casein in salts of certain organic acids and its fractionation by means of these acids. Ralph H. McKee and Stephen P. Gould.

K-295. (In vol. 57, No. 3.) The reactions of wireworms to arsenicals. Charles E. Woodworth.

Kans.-87. (In vol. 57, No. 3.) An apparent induced loss of nitrogen-fixing ability in *Azotobacter*. Charles R. Stumbo and P. L. Gainey.

Wis.-94. (In vol. 57, No. 1.) Growth substance and the development of crown gall. S. B. Locke, A. J. Riker, and B. M. Duggar.

Land policy review. Vol. 1, no. 3, September-October 1938. Price, 5¢ a copy; 25¢ a year, domestic.¹

Gives information on current developments in land policy and land programs to workers of the Department of Agriculture and cooperating groups.

Monthly weather review. Vol. 66, no. 7, July 1938. Illus. Price, 20¢ a copy; \$2.00 a year, domestic; \$2.75 a year, foreign.² Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 19, no. 8, October 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.³

Makes available to road builders the results of investigations relating to the physical and economic problems of road building.

Soil conservation. Vol. 4, no. 4, October 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.40 a year, foreign.³

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 40-43. October 4-25, 1938. Price, 50¢ a year, domestic; \$1 a year, foreign.³

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

¹ May be obtained from the issuing bureau.

² These may be obtained free upon application to the Agricultural Adjustment Administration.

³ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

NOVEMBER 1938

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Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

- Foot-and-mouth disease. John R. Mohler, Bureau of Animal Industry. 18 p., illus. (F. B. 666F., rev.) Price, 5¢.
- Pork on the farm; killing, curing, and canning. K. F. Warner, Bureau of Animal Industry. 38 p., illus. (F. B. 1186F., rev.) Price, 5¢.
- Tomatoes for canning and manufacturing. James H. Beattie, Bureau of Plant Industry. 18 p., illus. (F. B. 1233F., rev.) Price, 5¢.
- Farm budgeting. J. B. Hutson, Bureau of Agricultural Economics. 22 p. (F. B. 1564F., rev.) Price, 5¢.
- Reed canary grass. H. A. Schoth, Bureau of Plant Industry. 12 p., illus. (F. B. 1602F., rev.) Price, 5¢.
- Soil defense in the Northeast. Glenn K. Rule, Soil Conservation Service. 70 p., illus. (F. B. 1810F.) Price, 15¢.

LEAFLETS

- Home mixing of fertilizers. C. C. Fletcher, Bureau of Plant Industry, and Albert R. Merz, Bureau of Chemistry and Soils. 8 p., illus. (Leaf. 70L., rev.) Price, 5¢.

TECHNICAL BULLETINS

- Symptoms on field-grown tobacco characteristic of the deficient supply of each of several essential chemical elements. J. E. McMurtrey, Jr. 31 p., illus. (T. B. 612T.) Price, 10¢.
- Yield of even-aged stands of ponderosa pine. Walter H. Meyer, Forest Service. 60 p., illus. (T. B. 630T.) Price, 15¢.
- Comparison of alfalfa and western wheatgrass hays for wintering yearling heifers in the northern Great Plains and their influence on summer gains. A. L. Baker, Bureau of Animal Industry, in cooperation with Montana Agricultural Experiment Station. 8 p. (T. B. 635T.) Price, 5¢.
- Red rot of sugarcane. E. V. Abbott, Bureau of Plant Industry. 96 p., illus. (T. B. 641T.) Price, 15¢.
- Marketing commercial cabbage. Raymond L. Spangler, Bureau of Agricultural Economics. 126 p., illus. (T. B. 646T.) Price, 15¢.
- Relative values for milk production of hay and silage made from immature pasture herbage. R. R. Graves, J. R. Dawson, D. V. Kopland, Bureau of Dairy Industry. 32 p., illus. (T. B. 649T.) Price, 5¢.
- Control of the blue mold (downy mildew) disease of tobacco by spraying. Edward E. Clayton, John G. Gaines, T. E. Smith, W. M. Lunn, K. J. Shaw, Bureau of Plant Industry, in cooperation with the Georgia Coastal Plain Experiment Station, the Georgia College of Agriculture, the North Carolina Department of Agriculture, the North Carolina Agricultural Experiment Station and Extension Service, and the Agricultural Experiment Stations of South Carolina and Maryland. 23 p., illus. (T. B. 650T.) Price, 5¢.
- The Hohenheim system in the management of permanent pastures for dairy cattle. T. E. Woodward and J. B. Shepherd, Bureau of Dairy Industry, and M. A. Hein, Bureau of Plant Industry. 34 p., illus. (T. B. 660T.) Price, 5¢.
- Pythium root rot of sugarcane. R. D. Rands and Ernest Dopp, Bureau of Plant Industry. 96 p., illus. (T. B. 666T.) Price, 15¢.

CIRCULARS

- The ice well for the dairy farm.** J. R. Dawson and A. L. Watt, Bureau of Dairy Industry. 16 p., illus. (Cir. 155C, rev.) Price, 5¢.
- The Earleine potato, a new early variety.** C. F. Clark and F. J. Stevenson, Bureau of Plant Industry, in cooperation with the Maine Agricultural Experiment Station. 6 p., illus. (Cir. 493C.) Price, 5¢.
- The sweetpotato leaf beetle.** Loyd W. Brannon, Bureau of Entomology and Plant Quarantine, in cooperation with the Virginia Truck Experiment Station. 10 p., illus. (Cir. 495C.) Price, 5¢.
- Effect of potash on grade, shape, and yield of certain varieties of sweetpotatoes grown in South Carolina.** Victor R. Boswell, J. H. Beattie, and J. D. McCown, Bureau of Plant Industry, in cooperation with the South Carolina Agricultural Experiment Station. 24 p. (Cir. 498C.) Price, 5¢.
- U. S. No. 5 Refugee, a new mosaic-resistant Refugee bean.** B. L. Wade and W. J. Zaumeyer, Bureau of Plant Industry. 12 p., illus. (Cir. 500C.) Price, 5¢.
- Sweetpotato propagation and transplanting studies.** J. H. Beattie, Victor R. Boswell, J. D. McCown, Bureau of Plant Industry. 16 p., illus. (Cir. 502C.) Price, 5¢.
- The comparative attractiveness of various small grains to the chinch bug.** Curtis Benton, Bureau of Entomology and Plant Quarantine, and W. P. Flint, Illinois Agricultural Experiment Station. 8 p. (Cir. 508C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

- Bibliography on soil erosion and soil and water conservation.** Stanley H. Gaines, Francesca Vincent, Marion Bloom, and James F. Carter, Soil Conservation Service. 651 p. (M. P. 312M.) Restricted. Price, 60¢.
- Organization of 4-H club work. A guide for local leaders.** Gertrude L. Warren, Extension Service. 35 p., illus. (M. P. 320M.) Price, 10¢.
- Factors to be considered in preparing minimum-wage budgets for women.** Gertrude Schmidt Weiss and Marie Waite, Bureau of Home Economics; Louise Stitt and Stella Stewart, Department of Labor. 46 p. (M. P. 324M.) Price, 10¢.
- Officials and organizations concerned with wildlife protection, 1938.** Frank G. Grimes, Biological Survey. 15 p. (M. P. 329M.) Price, 5¢.
- The Minnesota seed-grain treater.** M. B. Moore, University of Minnesota and Bureau of Plant Industry. 6 p., illus. (M. P. 330M.) Price, 5¢.
- Outlook for farm family living in 1939.** Bureau of Home Economics and Bureau of Agricultural Economics. 6 p., illus. (M. P. 332M.) Price, 5¢.
- The farm outlook for 1939.** Bureau of Agricultural Economics. 44 p., illus. (M. P. 333M.) Price, 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

- Rules and regulations of the Secretary of Agriculture for carrying out the provisions of the Perishable Agricultural Commodities Act, 1930, as amended.** Revised September 1938. Service and regulatory announcements. Bureau of Agricultural Economics. 29 p. (S. R. A.-B. A. E. 121, rev.)¹
- Bureau of Animal Industry. Service and regulatory announcements.** September 1938. Pp. 111-121. (S. R. A.-B. A. I. 377); October 1938. Pp. 123-132. (S. R. A.-B. A. I. 378.) Price, 5¢ each.¹
- Gypsy moth and brown-tail moth quarantine (Quarantine No. 45).** Revision of quarantine and regulations. Effective September 29, 1938. Bureau of Entomology and Plant Quarantine. 9 p. (B. E. P. Q.-Q. 45.)¹
- Notices of judgment under the Food and Drugs Act.** Food and Drug Administration. Pp. 277-325. (N. J., F. D. 28676-28750.) Drugs; pp. 407-421. (N. J., F. D. 28976-29000.) Drugs.¹

¹ These may be obtained from the issuing bureau.

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Farmers' Bulletins	Leaflets	Other publications

Notices of judgment under the Insecticide Act. Food and Drug Administration. Pp. 375-398. (N. J., I. F. 1601-1635.)¹

SOIL SURVEYS

New York, Monroe County. (No. 17, series 1933.) 67 p., illus. Price, \$2.00.
 South Carolina, Edgefield County. (No. 1, series 1935.) 56 p., illus. Price, 35¢.
 Texas, Bee County. (No. 30, series 1932.) 34 p., illus. Price, 40¢.

OTHER PUBLICATIONS

Our soil; its wastage—its preservation. Revision. [20 p.], illus. Price, 10¢.
 Report of the Chief of the Office of Experiment Stations, 1938. James T. Jardine. 10 p. Price, 5¢.³
 Report of the Puerto Rico Experiment Station, 1937. 115 p., illus. Price, 15¢.
 Report of the Solicitor, 1938. Mastin G. White. 31 p. (Price, 5¢.
 The land utilization program for the northern Great Plains. Bureau of Agricultural Economics. 15 p., illus.¹
 Wheat in your bin every year. Federal Crop Insurance Corporation. [13 p.], illus.¹

AGRICULTURAL ADJUSTMENT ADMINISTRATION

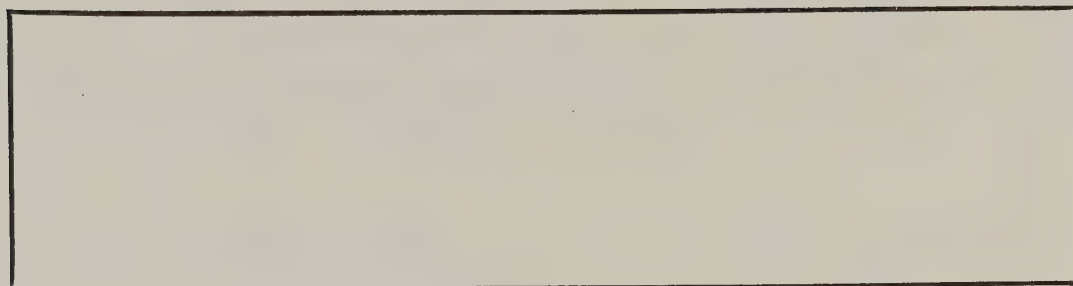
39-Cotton-1. Questions and answers—1939 cotton marketing quotas and other features on the A. A. A. farm program applicable to cotton. 4 p.²
 39-Cotton-2. Facts about cotton marketing quotas for 1939. [2 p.]²
 39-Cotton-3. What is the cotton situation? 6 p.²
 39-Cotton-4. Cotton in the national farm program. 6 p., illus.²
 38-Tobacco-50. The AAA plan for bright tobacco. [6 p.], illus.²
 G-92. An American income for corn. 15 p.²

¹ These may be obtained from the issuing bureau.

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PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 22, No. 11, November 1938. Price, 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.³

Crops and markets. Vol. 15, No. 10, October, 1938. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.³

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscription, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations through the United States, 20¢ a month, \$2.40 a year.¹

Experiment station record. Vol. 79, No. 6, December 1938. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.³

Extension service review. Vol. 9, No. 11, November 1938. Illus. Price, 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.³

Journal of agricultural research. Vol. 57, No. 8, October 15; No. 9, November 1, 1938.

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.³ *Not distributed free to individuals.*

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. **The Office of Information has none for general distribution.**

G-1099. (In Vol. 57, No. 3.) The effect of natural selection in a mixture of barley varieties. H. V. Harlan and M. L. Martini.

Monthly weather review. Vol. 66, No. 8, August 1938. Illus. Price, 20¢ a copy; \$2.00 a year, domestic; \$2.75 a year, foreign.³ Not for general distribution.

Public roads. Vol. 19, No. 9, November 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.³

Soil conservation. Vol. 4, No. 5, November 1938. Price, 10¢ a copy; \$1 a year, domestic; \$1.40 a year, foreign.³

Weekly weather and crop bulletin. Nos. 44-48, November 1-29, 1938. Price, 50¢ a year, domestic; \$1 a year, foreign.³

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Free distribution of technical material and periodicals is restricted.

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Plum and prune growing in the Pacific States. C. F. Kinman, Bureau of Plant Industry. 56 p., illus. (F. B. 1372F., rev.) Price, 10¢.

Planting the roadside. Furman Lloyd Mulford, Bureau of Plant Industry. 38 p., illus. (F. B. 1481F., rev.) Price, 10¢.

Mechanizing the corn harvest. Claude K. Shedd, Bureau of Agricultural Engineering, and Edgar V. Collins, Iowa State College. 13 p., illus. (F. B. 1816F.) Price, 5¢.

LEAFLETS

Preventing gin damage to cotton. Francis L. Gerdes, Bureau of Agricultural Economics, and Charles A. Bennett, Bureau of Agricultural Engineering. 8 p., illus. (Leaf. 169L.) Price, 5¢.

TECHNICAL BULLETINS

Correlations between annual precipitation and the yield of spring wheat in the Great Plains. John S. Cole, Bureau of Plant Industry. 40 p. (T. B. 636T.) Price, 5¢.

Field studies of certain diseases of snap beans in the Southeast. W. D. Moore, Bureau of Plant Industry. 28 p., illus. (T. B. 647T.) Price, 5¢.

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Rearing foals and lambs by the use of colostrum, blood serum, and substitute milks. J. A. Gamble, I. P. Earle, and Paul E. Howe, Bureau of Animal Industry. 35 p. (T. B. 661T.) Price, 10¢. For sale only.

Cotton sold in the seed in the United States. L. D. Howell, Bureau of Agricultural Economics, in cooperation with the Agricultural Experiment Stations of Oklahoma, Arkansas, Missouri, and Tennessee. 24 p., illus. (T. B. 662T.) Price, 5¢.

Relationships among production and grade factors of beef. O. G. Hankins, Bureau of Animal Industry, and L. B. Burk, Bureau of Agricultural Economics, in cooperation with the Agricultural Experiment Stations of Arkansas, Colorado, Illinois, Indiana, Iowa, Louisiana, Michigan, Mississippi, Missouri, Montana, Nebraska, New Mexico, Ohio, South Carolina, Texas, Virginia, West Virginia, and Wyoming. 40 p., illus. (T. B. 665T.) Price, 10¢.

CIRCULARS

Developments in mechanical equipment and methods in sugar-beet production. E. M. Mervine and S. W. McBirney, Bureau of Agricultural Engineering. 38 p., illus. (Cir. 488C.) Price, 10¢.

The Texas leaf-cutting ant and its control. E. V. Walter, Lee Seaton, and A. A. Mathewson, Bureau of Entomology and Plant Quarantine. 19 p., illus. (Cir. 494C.) Price, 5¢.

A comparative study of suitability for drying purposes in forty varieties of the sweetpotato. Joseph S. Caldwell, Hubert H. Moon, and Charles W. Culpepper, Bureau of Plant Industry. 52 p. (Cir. 499C.) Price, 10¢.

Reaction of wheat, barley, and rye varieties to stripe rust in the Pacific Northwest. Wayne M. Bever, Bureau of Plant Industry, in cooperation with the Idaho Agricultural Experiment Station. 15 p. (Cir. 501C.) Price, 5¢.

Market classes and grades of feeder and stocker cattle. W. O. Fraser and Don J. Slater, Bureau of Agricultural Economics. 19 p., illus. (Cir. 505C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

Prescriptions of types of principal American varieties of spinach. Roy Magruder and Victor R. Boswell, Bureau of Plant Industry, G. W. Scott, California Agricultural Experiment Station, Paul Work, Cornell University, and Leslie R. Hawthorn, Texas Agricultural Experiment Station, and Bureau of Plant Industry. 60 p., illus. (M. P. 316M.) Price, 25¢. Restricted distribution.

Grade grading primer. William P. Carroll and Willis B. Combs, Extension Service, and Fred G. Smith, Bureau of Agricultural Economics. 44 p., illus. (M. P. 325M.) Price, 10¢.

Motor fuels from farm products. P. Burke Jacobs and Harry P. Newton, Bureau of Chemistry and Soils. 129 p., illus. (M. P. 327M.) Price, 15¢.

STATISTICAL BULLETINS

Forest products statistics of the Pacific Coast States. R. V. Reynolds and A. H. Pierson, Forest Service, in cooperation with the Bureau of the Census, United States Department of Commerce, and the Dominion Bureau of Statistics. 30 p., illus. (S. B. 65S.) Price, 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Animals and animal products. Bureau of Animal Industry. 2 p. (B. A. I. Order 369)¹

Modification of nursery stock, plant, and seed quarantine regulations. Revision of regulation 3. Effective December 1, 1938. 2 p. (B. E. P. Q.-Q. 37).¹

Modification of pink bollworm quarantine regulations. Bureau of Entomology and Plant Quarantine. Revision of regulation 3. Effective November 1938. 2 p. (B. E. P. Q.-Q. 52).¹

Bureau of Entomology and Plant Quarantine. Service and regulatory announcements. July-September 1938. Pp. 75-121. (S. R. A.-B. E. P. Q. No. 136).¹

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 327-405. (N. J., F. D. 28751-28975). Foods; pp. 1-32. (N. J., F. D. 29001-29050). Drugs; pp. 33-102. (N. J., F. D. 29051-29250) pp. 103-129. (N. J., F. D. 29251-29300). Drugs.¹

SOIL SURVEYS

Kansas, Allen County. (No. 2, series 1935). 42 p., illus. Price, 35¢.

Nebraska, Hayes County (No. 11, series 1934). 41 p., illus. Price, 30¢.

North Carolina, Carteret County. (No. 3, series 1935). 34 p., illus. Price, 40¢.

Pennsylvania, Franklin County. (No. 31, series 1932). 92 p., illus. Price, 50¢.

Texas, Williamson County. (No. 10, series 1934). 55 p., illus. Price, 45¢.

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Indicate below, by numbers **IN NUMERICAL ORDER**, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other publications

OTHER PUBLICATIONS

- Report of the Chief of the Bureau of Agricultural Economics, 1938. A. G. Black. 36 p. Price, 10¢.
- Report of the Chief of the Bureau of Animal Industry, 1938. J. R. Mohler. 85 p. Price, 10¢.
- Report of the Chief of the Bureau of Biological Survey, 1938. Ira N. Gabrielson. 68 p. Price, 10¢.
- Report of the Chief of the Bureau of Dairy Industry, 1938. O. E. Reed. 37 p. Price, 10¢.
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- Report of the Chief of the Food and Drug Administration, 1938. W. G. Campbell. 24 p. Price, 5¢.
- Report of the Chief of the Weather Bureau, 1938. Willis Ray Gregg. 15 p. Price, 5¢.
- Report of the Director of Personnel, 1938. W. W. Stockberger. 10 p. Price, 5¢.
- Report of the Secretary of Agriculture, 1938. Henry A. Wallace. 160 p. Price, 20¢.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

- 38-Tobacco-51. The AAA plan for Burley tobacco. [6 p.], illus.²
- 38-Tobacco-52. The AAA plan for dark tobacco. [6 p.], illus.²

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Land policy review. Vol. 1, No. 4, November-December 1938. Price, 5¢ a copy; 25¢ a year, domestic.³

Monthly weather review. Vol. 66, No. 9, September 1938. Illus. Price, 20¢ a copy; \$2.00 a year, domestic; \$2.75 a year, foreign.³ Not for general distribution.

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